

Chemical Week INDEX

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Chemical Abstracts Index

Volume 100

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A

			one smog problem for another.....	Jan. 6	29	American Petroleum Institute - Engineering design data book being.....			
			California approves catalytic muffler.....	May 12	79	American Society for Testing Materials - New headquarters to be built.....	May 26	52	
			California approves four new crankcase emission control devices.....	Apr. 28	67	American Society of Mechanical Engineers Lubrication symposium.....	June 23	57	
			California begins operating tests for anti-smog mufflers.....	June 9	55	Maintenance and Plant Engineering Conference - programmed instruction report.....	May 26	111	
Accelerators									
Mobile electron accelerator for industrial radiation jobs.....	May 5	51	California's Donald Jensen is optimistic on development of a catalytic muffler.....	Mar. 31	58	American nuclear sources.....	May 12	71	
Standard University linear accelerator construction gets underway.....	May 12	46	Fog generated by plant cooling towers is problem to production managers.....	June 16	148	Neutron source of americium and beryllium.....	Apr. 14	79	
Accidents - New York plane crash kills two CPI executives.....	Mar. 10	18	House Appropriations Committee demands more work on air-pollution control.....	Mar. 31	24	Aminophenol - Electrochemical processing produces p-aminophenol at lower cost.....	May 19	85	
Accounting									
Automatic billing speeds handling of paper work involved in truck shipping....	Jan. 13	82	New York will require state approval of plans for construction of industrial installations that might pollute the air.....	Jan. 20	118	Ammonia			
Direct costing accounting plan gets hard new look.....	Mar. 17	71	Phosphate plant tries three-phase pollution control system.....	May 12	98	British joint venture abandoned.....	Feb. 17	43	
Return of return evaluation methods avert ill-advised capital investments.....	Jan. 20	115	Prospects of a catalytic anti-smog device are dimmer.....	Mar. 24	81	Canadian firm switches from fuel oil to natural gas as a feedstock for ammonia.....	Apr. 14	84	
Acetaldehyde - Ethylene-to-acetaldehyde process wins new U.S. follower (tables).....	May 5	57	Russia reduces air pollution in Moscow area.....	May 12	117	Estes, Billie Sol, Texas financier, charged with fraud in ammonia deals.....	Apr. 14	23	
Acetic acid - Hydrogen peroxide-from-peracetic acid process produces by-product acetic acid.....	May 19	90	Smokeless incinerator cuts air-pollution problems.....	Mar. 3	52	Estes case: Commercial Solvents and Pennsalt brace for losses.....	June 9	26	
Acetic anhydride - 99% acetic anhydride available.....	Apr. 7	68	Air Pollution Control Assn. - Cooling-tower fog problems discussed at Chicago meeting.....	June 16	148	Estes case: Congressional hearings underway; ammonia producers vie in drive to regain west Texas market.....	June 23	22	
- letter.....	May 5	7	Alarms - Vibration alarm, Model 12-1.....	May 26	69	Estes case may hurt Commercial Solvents.....	May 26	27	
Acetone - Prices.....	June 9	82				Estes case: price structure in Southwest severely shaken by dealings of Estes.....	May 12	31	
Acetophenidin - Canada no longer makes chemical.....	Feb. 16	120	Alcohol			Grace confirms Trinidad ammonia venture.....	June 9	17	
Acetophenone - Prices.....	Feb. 17	126	Alfol alcohols for synthetic detergents production from Synthar.....	May 26	96	Grace considers giant-size expansion and marketing deal.....	Apr. 28	23	
Acetylene									
Catalyst separates acetylene from cracked C2-C3 gases.....	Apr. 14	84	Alfol alcohols (long chain) provide petroleum-based source of biodegradable detergents (table).....	June 2	43	Low-cost ammonia from Caribbean is key to hot new fight for overseas fertilizer markets.....	May 5	21	
Electric arc process may prove to be an induction heating process.....	Mar. 10	69	Fatty alcohol sulfates.....	Apr. 28	41	New Jersey Zinc, new entry in anhydrous ammonia.....	May 26	27	
Liquid-phase technique for acetylene reactions.....	Apr. 21	105	Fermentation alcohol fights to hang on to markets, despite raw material problem (chart & tables).....	Apr. 21	113	Ammonium nitrate - Prices.....	June 9	82	
Acids - Fermentation - report David Perlman & others (tables).....	June 16	97	Myristyl-cetyl alcohols blend available.....	Mar. 24	98	Ammonium perchlorate - Prices.....	Mar. 10	89	
Acoustic - Tritium ion garnets for acoustics.....	Feb. 17	150	Alkali - Production down in '61.....	Mar. 10	96	Ammonium sulfate			
Acrylates - Carbide expands, may use new route.....	June 23	63	Alkaloid - Tomatin, a glycosidal alkaloid, research.....	May 19	144	Britain imposes antidumping duty on East German material.....	Mar. 17	43	
Acrylics									
Fire-retardant acrylic sheet.....	Apr. 14	80	Alykation - Molecular sieves dry feedstock for petroleum alkylation units.....	Apr. 21	90	Indian process - cattle food from ammoniated molasses.....	June 23	93	
Paperboard binding acrylic latex.....	Apr. 19	146				Prices.....	June 2	63	
Acrylonitrile									
Japanese feud over prices and imports.....	May 12	117	Alloys			Amplifier, pneumatic.....	June 2	54	
Japan's Sohio process plant nears completion.....	Apr. 21-108,	Apr. 28	Brazing alloys antitrust case - fines.....	Mar. 17	43	Amyloglucosidase - Enzymes sweeten starch profits.....	Apr. 21	99	
Adhesives									
Acrylic adhesive bonds preformed urethane foam to fabric.....	June 2	63	Powder metallurgy process produces nickel-base alloy of extremely high purity.....	June 23	63	Anchors - Rocket-driven anchors are under development.....	June 30	26	
Aqueous-base adhesive bonds urethane to fabric.....	Feb. 3	63	Silver brazing alloy.....	Mar. 10	50	Anesthetics			
Cold-process adhesive for bonding building materials.....	May 19	42	TD nickel alloy produced by new process that combines colloidal chemistry and powder metallurgy (charts).....	June 30	49	Dioxal compounds show promise as local anesthetics.....	June 23	63	
Cold-temperature adhesive.....	May 5	42	Alum - Prices.....	Mar. 3	72	Penthrane monofluorane bids for work now done by diethyl ether.....	Mar. 24	81	
Cryogenic adhesive.....	May 12	71	Alumina			Anhydrite - Sulfuric acid-from-anhydrite process.....	Mar. 24	78	
Door adhesive called Duro-Lok 150.....	Mar. 24	98	Alumina from clay or coal shale promises bonus for aluminum makers.....	Mar. 3	32	Anodes - Platinized titanium anodes - patents - letter.....	Feb. 17	16	
Epoxy adhesive called Twenty/Twenty.....	Jan. 6	74	Czech alumina - bauxite process uses counterflow extraction.....	Apr. 28	98	Anthraxite - Hydraulic mining of anthracite.....	Jan. 13	39	
Ethoxylene adhesives.....	May 26	70	Virgin Islands plant to be built by Harvey.....	Mar. 17	41	Antibiotics			
Hot-melt adhesive makers foresee fourfold sales rise in '60's - letter.....	Mar. 10	7	Aluminum			Actinospectacin structure pinpointed.....	June 30	45	
Polypropylene adhesive.....	Feb. 3	62	Alumina-from-clay process promises bonus for aluminum makers.....	Mar. 3	32	Certification - Laws are seldom temporary - Viewpoint.....	Feb. 10	5	
Adipic acid - Food adulant market is shrinking (chart).....	June 16	125	Aluminum powder called Alflake 151.....	Mar. 10	49	Drugmaker reimburses retail pharmacies for sales made at earlier higher prices.....	June 30	54	
Adipic acid - Contrail Adsorption System, new decolorizing process.....	Feb. 3	51	Aluminum rides a rising trend - Business Benchmarks.....	June 23	94	Fermentation - report (tables).....	June 16	97	
Advertising						PL 1 Present status of industry.....	June 16	98	
Acrylic fiber promotion shows unusual twists.....	Feb. 24	45	Bitals - aluminum and plastics vie for control of market.....	Jan. 20	41	Perlman & Kroll.....	June 16	98	
Drugmakers move to remake their image....	Apr. 21	35	Can stock prices and consumption.....	Jan. 10	90	PL 2 New field checks fermentation researchers Ralph Anderson.....	June 16	105	
FTC and FDA clamp down on false advertising.....	May 19	68	Canadian producers cut export prices.....	Feb. 24	71	Italy develops first antibiotic, Rifocin.....	May 19	58	
FDA loses Slim-Mint Gum case.....	Mar. 31	45	Cerro's Wauna, Ore. plans hit snag due to termination of BPA contract.....	Jan. 20	30	Prices slashed.....	May 23	77	
Industrial advertising award won by Jefferson Chemical.....	June 23	44	Conalco to be seventh U.S. ingot producer; plant, smelter in Tennessee.....	Jan. 13	26	Trade secrets case marks time as key witness appeals contempt of court charges.....	Apr. 14	23	
U.S. ad agencies recast foreign operations.....	May 19	67	- letter.....	Mar. 17	9	Trade secrets case: testimony of former Lederle chemist involves Bortone and Salvetti.....	June 30	22	
Aerosols						Trade secrets conspiracy involves Cyanamid and Biorganic.....	Mar. 10	23	
Beer-based hair products in aerosol form... CSMA survey spotlights aerosol gains (chart & tables).....	May 26	90	Harvey Aluminum expands and integrates.....	May 19	41	Antifreeze			
Epoxy coatings in aerosol form.....	May 26	87	Labor bargaining slated to get under way.....	Mar. 10	17	CSMA survey shows antifreezes hit new sales high (chart & tables).....	May 26	87	
Food aerosols find new markets.....	Apr. 7	68	Labor contract talks resumed.....	Mar. 20	78	Hairsprays fail to get clean bill of health from doctors.....	May 26	99	
Hairsprays fail to get clean bill of health from doctors.....	Apr. 28	60	Labor negotiations stress fringe benefits.....	Mar. 31	23	Outlook: U.S. producers expect record year.....			
Hydrocarbon-fluorocarbon propellant blend for perfume aerosols.....	Apr. 28	58	Kennedy (table).....	Feb. 10	80	Price fixing charges rumored.....			
International aerosol tie-up will open new markets to U.S. producers.....	May 26	81	Oregon aluminum venture off.....	Apr. 21	96	Production justifies the optimists - Business Benchmarks.....			
Major U.S. filler sold; other aerosol firms aim for closer alliances.....	Feb. 10	55	Protective flux for aluminum, Algard.....	Feb. 10	80	Reynolds seeks to broaden Canadian market.....			
New fillers debut.....	Apr. 21	68	U.S. demand picks up; international picture still drab.....	Mar. 17	36	U.S. demand picks up; international picture still drab.....			
Patent squabble over metering aerosol bottles.....	May 5	54	Welding technique cuts costs and time in fabricating with aluminum.....	Apr. 7	17	Anti-Trust Act			
Strouse's new East Coast plant underscores need for pushbutton efficiency (table)....	May 19	36	Aluminum silicate - High-temperature ceramic fiber launched (table).....	Mar. 24	123	Aluminum industry may be faced with price fixing charges.....	Mar. 31	23	
Time inflators pump up aerosol sales.....	May 19	143	Aluminum sulfate - Prices.....	June 9	61	Antitrust - report (tables).....	Apr. 21	27	
Africa						Asbestos-cement pipe makers charged with price-fixing.....	June 9	32	
Phosphates venture.....	Feb. 17	41	American Ceramic Society - Ceramic materials for aerospace uses highlight New York meeting.....	May 12	85	Barite market: object of antitrusters' scrutiny (table).....	June 30	21	
South Africa - polyethylene venture.....	Mar. 10	25	American Chemical Society			Barnes, Irtson, says antitrust enforcement is growing more competent.....	May 26	26	
South Africa - SBR rubber project.....	Apr. 7	24	Maleic anhydride and columbium pentoxide processes discussed at Washington meeting.....	Apr. 7	58	Brazing alloys case - fines imposed.....	Mar. 17	43	
South African petrochemical and rubber projects.....	June 30	18	National meeting in Washington, D. C. - highlights.....	Mar. 31	64	Common Market antitrust rules are becoming a problem to U.S. businessmen.....	May 19	78	
* itators - Teflon agitator.....	Jan. 13	71	American Institute of Chemical Engineers			Du Pont-GM case.....			
Agricultural Chemicals						Tax relief bill.....	Jan. 13-31, Feb. 3-21, Feb. 10	17	
Johnson & Son offers new J-Way garden products line.....	Apr. 7-18,	Apr. 14	Engineering costs, heavy water production highlighted Los Angeles meeting.....	Feb. 17	120	Du Pont files divestiture proposal.....	Mar. 3	13	
Production up in '61.....	Apr. 10	96	National meeting highlights new uses for coal.....	June 2	44	La Bax issues final judgement.....	Mar. 10	21	
Air Conditioning						Case finally settled.....	May 19	84	
Air-purification system.....	Jan. 20	64	American Management Assn. - "Managing Corporate Overhead" conference.....	June 2	52	Delaware passes tax relief bill.....	June 9	25	
Thermoelectric air-conditioning system for plant, lab and office unveiled.....	June 2	71	American Nuclear Society - Lewis, W.B., bids AEC raise aims of Civilian Power Reactor Program.....	Mar. 10	24	Stock divestiture begun.....	June 9	25	
Air Pollution						Civil suit filed to block divestiture.....	June 30	17	
Auto smog-control devices may substitute			American Paper and Pulp Assn. - '61-'62 output picture for paper industry.....	Feb. 10	70	Electrical equipment makers hit rough sledding in antitrust area.....	Jan. 13	70	

Automation	
Computer-controlled plants put new demands on maintenance staffs	May 26 105
Computers make new conquests in process control (table)	June 9 71
Waybill interpreting device and data-gathering system installed by trucking firm	Jan. 13 82
Automobiles	
ABS plastic use up	Feb. 17 136
Automatic transmission fluids are target of new California law	Apr. 7 35
California approves four new crankcase emission control devices	Apr. 28 67
Chrysler is debating limited production of turbine engines	Jan. 6 22
Chrysler road tests turbine engines	Jan. 13 66
Chrysler's marketing plans for Cyclosweld auto products	Mar. 17 68
Leasing of autos breaks record in '61 (charts & table)	Feb. 17 67
Production up	May 19 35
Reinforced plastics outlook in auto industry (table)	Mar. 10 95
Sales pick up speed - Business Benchmarks	Feb. 3 80
Waste of autos breaks record in '61	Mar. 3 45
Zinc usage in autos hits all time high	Apr. 21 120
Awards	
Advertising award won by Jefferson Chemical	June 23 44
Kirkpatrick Award - Leadership earns laurel - Behind the news	Mar. 3 5
Kirkpatrick Management Award for '62 - announcement	Feb. 24 39
B	
Bactericides	
Microbicides marketing agreement between Sohio and U.S. Borax	Mar. 17 68
Zinc pyridinethione, new bactericide-fungicide	Mar. 3 40
Barbituric acid - Research compounds	June 9 89
Barges	
Aluminum barge launched	Feb. 17 70
CPI girds to retain low-cost barge shipping (map)	Jan. 20 33
Common carrier barge lines vs. government Hydro-Line Co. may open "unavailable" rivers to barge traffic	May 12 34
McCluskey expands field of ocean going barges	Apr. 28 45
Apr. 7 88	
Barite - Antimerger case heads toward initial ruling (table)	June 30 10
Batteries - Lead-acid batteries	Feb. 17 105
Bath Additives - AD-X2 suit dropped - Our father in Washington - Viewpoint - letter	Jan. 13 5
Feb. 17 16	
Bearings	
Ball-and-roller-bearing lubricants report issued	Jan. 20 61
Ball-bearing mock-up determines best bearing arrangement and lubrication method for electric motors	Feb. 17 105
Self-lubricating bearings	Jan. 20 64
Behind the news	June 2 6
Belgium - Polyolefin film venture	Mar. 31 21
Benzene	
Coke oven benzene gets a boost; Litol process - Feb. 3-66, Mar. 10-89, Prices of benzene derivatives	Apr. 7 5
Apr. 7 7	
Beryllium	
Britain shelves AGR beryllium cladding plans	Feb. 17 12
Extrusion process developed	Feb. 17 12
Neutron source of americium and beryllium Nevada's Great Basin National Park mining proposal - compromise likely	Apr. 14 7
Production could reach 1- to 2-million lbs./year, says USBM's E.T. Hayes	June 23 3
Proprietary continuous process to be used at Vitro plant	Mar. 10 6
Rocket fuels using beryllium as an ingredient under study	Feb. 17 12
Tariff protection under consideration	Apr. 28 9
Three U.S. producers reveal plans to produce beryllium concentrates from domestic ore	June 16 3
USDA gives relief to beryllium processor ..	Feb. 10 2
Jan. 20 5	
Binders	
Nonwoven fabric binder	Mar. 3 4
- letter	Mar. 17
Particleboard growth lifts demand for resin binders (chart)	Mar. 31 7
Sand binder for improving oil well production	Mar. 31 5
Styrene-butadiene latex binder for paper ..	June 2 6
Bins	
Activator breaks up packed solids inside storage bin	May 12 10
Easy-Flow storage bin emptying device tests are successful	Feb. 17 11
Plastic storage bins	Jan. 20 6
Bleaches	
Fabric brightener	Apr. 14 1
Pulp bleaching processes make high whiteness economical	Jan. 20 6
Sodium borohydride, new entry in pulp bleaching field, proves feasible in pilot test	June 30

C

Sodium chlorite textile-bleaching process changes peroxide for share of market	Feb. 10	47
— letter	Mar. 3	8
Boats		
Plastics and aluminum makers vie for control of boat market	Jan. 20	41
Reinforced plastics outlook (table)	Mar. 10	95
Bonding		
CVC bonding agent for tires	Apr. 14	84
Extruding-bonding technique for putting insulation onto conductors	Mar. 31	53
Boston specialties industry on comeback trail	Mar. 10	55
— letters	Apr. 21	8
Break Fluids		
CSMA data spotlights sales gains (chart & tables)	May 26	87
Standards continue rise — but sales gains are slight (table)	May 21	65
— letter	May 19	13
Brazil		
Economic reforms shelved until after election	Jan. 20	55
Impoverished Northeast is target of \$60-million chemical expansion plan (map)	June 9	35
Leftists seize upon St. Regis Paper's internal scandal to fan anti-American fire	Jan. 27	45
Sabin polio vaccine contracts	Apr. 21	56
Briquettes — Britain's hopes for making smokeless briquettes from soft coal must clear two big hurdles	Mar. 24	81
British Guiana — U.S. financial aid may be in the making	Apr. 28	31
British Iron & Steel Research Assn. — Pig iron process	Feb. 17	122
Bromelains — Concentrate bromelains to be sold commercially under tradename Ananase	Jan. 27	37
Bromine		
Bureau of Mines reports on bromine markets	Feb. 3	66
New uses boost bromine growth (chart & tables)	Mar. 3	75
Purification process	May 19	100
Bromoacetic acid — Pilot-plant quantities available	Mar. 24	97
Bulgaria		
Petrochemicals production planneu for Burgas refinery	Mar. 17	54
Sulfuric acid production	Mar. 3	21
Burma — U.S. trade mission reports urgent need for chemicals in Burma	Apr. 21	43
Butadiene — Shell's new process probably involves iodine	June 16	91
Butenediol — Prices	Feb. 10	64
C		
Cables — Power cables with Vulkene insulation	Mar. 10	50
Calcium carbide — Yugoslavia ups output	Feb. 24	17
Calcium chloride — Prices	June 9	82
Calcium tungstate — Commercial quantities available for optical master use	Mar. 17	83
Canada		
Alberta sulfur will move into Chicago market	Jan. 6	21
Althabasca oil sands development — three firm submit applications for imports	June 30	22
Belgian firm finances New Brunswick lead and zinc venture	June 16	42
Biological specialties producer aims for "first" in oral polio vaccine	Feb. 3	61
British Columbia pulp expansions may lead to new chlorine-caustic project (table)	June 9	27
British Columbia pulp makers boost output despite own shortages (map)	June 16	40
Fertilizer producers export into U.S.	Apr. 28	29
Fiber industry lineup may be changed by ICI-Courtaulds merger	Jan. 6	27
"Made in Canada" labels will protect chemical industry from imports	Mar. 24	107
Ontario asks druggists to withhold sale of chemicals to juveniles	Jan. 20	118
Research policies reassessed by government	Jan. 20	111
Rubber consumption to hit near-record in '62	June 30	58
Silicone importers smooth out marketing problems	May 12	108
Sorbitol production shapes up	June 30	39
Sour gas sulfur output upped	Mar. 10	23
Tax deduction will promote industrial research	May 5	66
U. S. — Canadian tariff problems mount up	Feb. 17	125
Cancer		
Anticancer drug progress: compounds active against leukemia; chemotherapeutic drug evaluation	Feb. 17	148
Vincristine, possible new weapon against cancer	Apr. 28	74
Caprolactam		
Alkaline polymerization of ϵ -caprolactam — Canadian firm stresses overcapacity problems, need for tariff protection	Mar. 17	101
Photosynthesis process simplifies conversion of cyclohexane into caprolactam	Mar. 24	77
Scientific Design unveils new process	June 9	74
Carbon black		
New reactor promises bigger carbon black yield (chart & table)	June 16	79

Production down, shipments up in '61	Apr. 28	91	Partially hydrogenated shortenings are effective in reducing cholesterol levels	May 12	79	Cobalt manganese fluoride - Crystals available for antimagnetic applications	June 2	63
65-SPF carbon black improves performance of stereospecific rubber tires	May 12	79	Choline - Free base form of choline available as 50% solution in methanol	May 12	71	Coke		
Carbon dioxide - Outlook for '62	Apr. 7	84	Chromatography			Allied has new battery of 60 by-product coke ovens	Mar. 17	94
Castings - Magnesium die castings treatment	Feb. 10	50	Dual-column, programmed-temperature gas chromatograph	Mar. 24	97	Artificial coke from noncoking Western coal processes being developed	June 2	44
Catalysts			Polar polymers for gas chromatography research	Apr. 14	79	Coke from low-grade coal demonstration plant - first reports	Feb. 10	54
Acetylene separation with new 38-1 catalyst	Apr. 14	84	Portable chromatograph	Apr. 21	95	Coke oven benzene gets a boost, Litol process ups yield, purity	Apr. 7	55
Catalyst-cleaning processes, Met-X and DelMet, remove metal contaminants	May 26	46	Sample injector for gas chromatographs	Jan. 20	66	FMCo process converts sub-bituminous coal into metallurgical-grade coke	Apr. 21	25
Durabead 5 cracking catalyst incorporates a molecular sieve in conjunction with a rare earth	June 30	45	Chromic acid - Fluor gases used for scrubbing chromic acid waste solution	June 30	40	Humco Oil and Reynolds Metals integrate forward into petroleum coke	Feb. 10	25
Durabead 5 cracking catalyst will hike gasoline yields	Apr. 7	63	Chromium - American Chrome seeks deal to smelt chromite ore concentrates from the stockpile	Feb. 10	27	Pacific Power and Light announces project to upgrade noncoking coal	Jan. 20	70
Sulfuric acid catalyst	Apr. 21	105	Cigarettes - British "cause of cancer" report crimps cigarette sales	Mar. 24	23	Colloids - Hydrophobic colloid	Apr. 28	41
Ultraviolet curing catalyst	May 19	149	Citric acid			Colombia - Paper from tropical hardwoods project	Jan. 13	66
Urethane catalysts for sulfuric acid manufacture	Feb. 24	62	Bzura Chemical makes new effort to start its citric plant	Mar. 24	23	Color		
Cattle Feed - Indian process makes cattle food from ammoniated molasses	June 23	93	European producer to ship citric into U.S. despite high tariffs	June 2	22	Contraflux Adsorption System, new decolorizing process	Feb. 3	51
Caustic soda			Food adulterant market is shrinking (chart)	June 16	125	Drugmakers launch test program on colorant safety	Mar. 31	43
Canadian firms form marketing setup	Mar. 10-90,		Civil Defense			Food color	May 5	42
Canadian price boost falls flat	Mar. 17	48	"Industrial preparedness" - don't you buy insurance - Viewpoint	Jan. 6	7	Phosphorescent vinyl colorants	May 5	42
Deepwater caustic soda terminal nears completion	Mar. 31	45	Nuclear attack and industrial survival - report (charts & tables)	Jan. 6	33	Vinyl color concentrates	Jan. 6	74
Expansions in U.S. and Canada	Mar. 31	20	Clay - Alumina from clay promises bonus for aluminum makers	Mar. 3	32	Columbium pentoxide		
Cellophane - Bottle wadding tests show cellophane is more efficient than cotton	Jan. 13	83	Cleaners			Columbium Mining Products prepares for new project in Quebec	Mar. 24	23
Cellulose			Auto washer-waxers bid for big slice of auto polish sales	Mar. 3	45	Economic comparisons for separating columbium pentoxide from tantalum	Apr. 7	58
Du Pont film to be marketed in western Canada by Crown Zellerbach	Mar. 17	48	Drain cleaner	May 12	72	Commercial Chemical Development Assn. - Outlook for CPI discussed at annual spring meeting	June 2	21
Research on radiation processing of cellulose picks up steam (table)	June 16	53	Drum cleaning process promises new life for used drums (table)	June 30	29	Committee of Aluminum Producers - Launches campaign to win boating market	Jan. 20	41
Ultramar wood cellulose debuts	Mar. 31	58	Du Bois and Vestal merger near	Feb. 10	58	Compressors - High-pressure compressor	Jan. 27	44
Cement			Floor cleaner-polisher called One-Step	Apr. 3	40	Computers		
Computer control of cement processing in Japan	Mar. 17	84	Floor Care	Apr. 21	96	Analog computer	May 5	41
Heat-transfer cement	Jan. 13	72	Granite cleaner	Jan. 6	74	Analog computer simulates pipeline operations	Mar. 3	39
Latex makers put new push behind modified cements for paving	Jan. 13	42	Hand cleaner called EX-7	Feb. 10	59	Analog computers: PC-12 multipurpose computer; internal reflux computer control system	Jan. 27	43
Oxygen used in cement manufacture	May 26	81	Leather and upholstery cleaner, Groom	May 9	90	Analog-digital computer recorder	May 5	41
Photoelectric sorter upgrades cement plant feed	Apr. 21	88	Metal cleaner, Vantrol 3808	May 12	72	Automated plants put new demands on maintenance staffs	May 26	105
Sprayable foam fabricating cement	Mar. 17	79	Milk deposit cleaner called Super Chloritol	Mar. 24	98	Automatic programming system for digital computers called CLEAR	Mar. 3	62
Ceramics			Clothing - Gold-covered cloth, called Armon, to be used as apparel for workers at rocket launching	Mar. 17	84	Cement processing computer controlled in Japan	Mar. 17	84
Aerospace applications fire new interest in ceramics development (table)	May 12	85	Coal			Computers make new conquests in process control (table)	June 9	71
High-temperature, acidproof foamed refractory called QuartzFoam	Apr. 14	65	Alumina from coal shale promises bonus for aluminum makers	Mar. 3	32	Digitized models of analytical instruments debut	Mar. 24	97
Cerium - Addition of cerium hikes temperature limits of silicones	Feb. 10	54	AICHE points up host of new uses for coal	June 2	44	Direct computer control of instrument loops achieved	May 26	82
Cerium oxide - Rare-earth oxide glass polishes venture	Jan. 13	38	Blast furnace to use coal-injection system Britain's hopes for making smokeless briquettes from soft coal must clear two big hurdles	June 30	40	Drafting by computer	June 9	76
Cesium-137 - Britain's Atomic Energy Agency recovers cesium-137 from spent fuel	Mar. 10	70	Chemical-coal-metal link-ups - new fad in diversification	Feb. 24	14	Engineering firms find computers cut plant design guesswork	Mar. 10	75
Charcoal - Fire starter called Gulf Lite	Apr. 28	41	Fertilizer from coal process is piloted by Japanese firm	Apr. 7	58	Foxboro sets up Digital Systems Division	Mar. 10	49
Charcoal Starter	Apr. 28	41	Hydrogenation of coal in the presence of electrical corona to be studied by GE	Apr. 7	63	Maintenance - computer sifts maintenance cost variables, gives single cost figure	Feb. 3	73
Chelating Agents - Polyvalent metal ions chelating agent	Mar. 10	49	Research program criticized	Jan. 20	70	Portable analog computer for scheduling techniques	Feb. 3	77
Chemical Market Research Assn. - Chemical Statistics Directory updated	Mar. 10	42	Research projects aim at boosting coal's usefulness as both fuel and raw material	May 26	25	Programming aid, S-4 Assembly System, for UNIVAC solid-state computers	Feb. 24	36
Chemical Specialties Manufacturers Assn.			Slurried coal promises power cost reductions - letter	Jan. 20	24	Pulp and paper mills step up computer control plans	Apr. 28	73
Closure of CSMA	June 23	49	USBM will try radioactivity to speed coal gasification	Apr. 21	82	Statistical deviation control system improves process control accuracy	June 16	147
48th midyear meeting highlights sales survey (chart & tables)	May 26	87	Wyoming coal process research	Mar. 17	96	Concrete - Latex concrete due for big sales growth - letter	Jan. 13	42
48th midyear meeting to be held at Chicago	May 5	54	Coatings				Feb. 17	16
New committee will tackle problems of lawn and garden chemical makers	Apr. 21	68	ABS plastics coating	June 9	90	Construction		
"Vendors to the Trade" guide available	Feb. 24	68	Acid liner	Apr. 28	41	Building industry predicts better days as CPI profits improve (charts)	Apr. 14	26
Chemical Week - Countdown to knowledge - new CW department debuts - Behind the news - letter	Mar. 3	5	Aerosol epoxy coating called Thermo-Bond	Apr. 7	68	Contractors optimistic despite slow business in '61 (tables)	Jan. 13	36
Chemical Week Reports			Chemical-resistant coating for equipment	Jan. 13	46	Plant design innovation: refinery built on concrete barge will use barge as foundation	Feb. 10	53
Antitrust (tables)	Apr. 21	27	Curtain coaters vie for automatic painter markets	Feb. 17	75	Plastic building materials to be made by Howe Sound	Mar. 3-62,	Mar. 10
European labor's tough look (charts)	Mar. 31	33	Graphite-coated uranium dicarbide fuel particles	Feb. 3	56	Reinforced plastics outlook (table)	Mar. 10	95
European plastics A.L. Griff (charts & tables)	May 12	47	Industrial coating called Copoloid	May 12	71	Rockcloth, new textile hardens when wet, builds shelters	Feb. 10	53
Fermentation (tables)	June 16	97	Latex paper coating	June 2	63	Senate hearings to spotlight new uses of chemical, plastic, petroleum, rubber metal and coal products in construction	Feb. 24	19
Pt. 1 Present status of industry	June 16	98	Metallic pipe linings lineup (table)	Apr. 7	71	Task force vs. departments for plant design projects	Feb. 24	22
Pt. 2 New fields beckon fermentation researchers, Ralph Anderson	June 16	105	Organic ablative coating material discussed at AICHE meeting	Feb. 24	61	Urethane foam makes "instant" buildings	May 19	100
Getting in shape to take on the world	Mar. 10	26	Plasma-gun quakes for plastic spraying jobs	Apr. 14	115	Webb, D. E., foresees construction boom	Mar. 24-17,	Mar. 31
Godrich-Gulf, A. J. Piombino (charts)	Apr. 14	48	Polyester coating system offers high-quality finish and production shortcuts	Jan. 13	41	Consultants		
How to woo and win today's graduate students, Percy Black (table)	Feb. 17	83	Polyethylene coating, Plathco UT	Feb. 17	100	Consultants play bigger role in commercial chemical development	Jan. 13	81
Hydrogen (charts & tables)	May 19	103	Protective coating, Zinc-It	May 19	149	Houston consultants use mathematics to solve complex problems of process plants	Apr. 28	77
Oil buys in (charts)	Mar. 24	25	Roller-nickel-steel upgrades electroplated coatings	June 9	64	Containers		
Push for new products	Feb. 3	29	Roof coating	Mar. 24	98	Can made of paperboard and aluminum foil debuts	Mar. 17	46
Chewing Gum - FDA loses Slim-Mint gum case	Mar. 31	45	Roofing system called Gacoflex	Apr. 7	68	Containerization gets new look as way to cut shipping, storage costs	Mar. 17	46
Chicago - Petrochemical complex shapes up (map)	Mar. 24	21	Saran (vinylidene chloride polymer) coating film	June 2	57	Corrugated shipping box plant will serve mid-South area	May 12	32
China			Silicone-epoxy coating powder for resistors	Apr. 14	80	Glass container markets still growing	Feb. 24	72
Red China builds trade	Feb. 10	75	Spray coating protects locomotives in ocean transit	June 16	135	Glass container shipments break record	Feb. 17	136
Red China will import fertilizer and rayon from Japan	Jan. 27	46	Thermosetting acrylic coatings for autos called Crylitex and Duracron	June 2	65	King-size compressed-gas cylinder debuts	June 9	46
Chlorine			Thixotropic pigmented coatings called Co-Rezyn Surfscutes	June 23	64			
British Columbia pulp expansions may lead to new chlorine-caustic plant (table)	June 9	27	Urethane coatings boom	Jan. 20	108			
Canadian price boost falls flat	Apr. 7	75	Vinyl-acrylic mastic weatherproofs insulating materials	Mar. 31	75			
Expansions in U.S. and Canada	Mar. 31	20	Zinc coater	May 12	72			
Production down in '61	Mar. 10	96	Cobalt - Demand gains	Feb. 3	63			
Recovering chlorine from hydrochloric acid - new process	Apr. 21	105		Feb. 10	72			
Shell process generates chlorine from hydrogen chloride	June 16	91						
Cholesterol								
Astromid, new weapon against arteriosclerosis	June 30	46						

Single-trip containers gain new CPI adherents	Apr. 7	87	Cuba	Mexican group releases list of companies selling to Cuba	Feb. 3	18	Drug intermediates	May 12	71
Contracts			Moa Bay nickel plant—speculation on current status	Mar. 31	57	Drugmakers battle profit squeeze (table) ..	Apr. 21	24	
CPI ranks high on Pentagon's list of prime contractors for R&D work	Jan. 20	69	Russia's titanium purchases may be used to retube Moa Bay nickel plant	Mar. 17	83	Drugmakers launch test program on colorant safety	Mar. 31	43	
Construction woes fade with rosy CPI outlook (table)	Jan. 13	36	Curing			Drugmakers move to remake their image — letter	Apr. 21	35	
Defense contractors will be affected by expansion of antidiscrimination program	Feb. 17	61	Epoxy curing agents	Mar. 3	40	Dutch based Philips builds world drug empire	May 12	118	
Defense contracts — Renegotiation Act will be extended without change	June 2	26	Silicone potting and embedding compound	Feb. 3	63	Ethical drug industry — Freedom from penalty — Viewpoint	Mar. 17	5	
NASA will use single-source suppliers for major space contracts	Feb. 3	26	Ultraviolet curing catalyst	Jan. 20	108	Graham, William, argues against drug patent bill	June 9	54	
NSA proposes relaxation of administrative controls over defense contractors	June 30	25	Cutting Fluids — Water-soluble metal-cutting and grinding lubricants	Jan. 20	108	Hodgkins disease drug called Velban	Apr. 28	74	
Pentagon's stress on flexible incentive contracts may undergo real test	Mar. 31	24	Cyclohexane			influenza-pneumonia vaccines development program set up by NIH	Feb. 3	25	
Profit pyramiding by missile contractors — hearings by Senate Subcommittee	Feb. 17	61	Photosynthesis process simplifies conversion of cyclohexane into caprolactam	Mar. 24	77	Kefauver investigations may be losing momentum	Jan. 20	36	
Controllers			Thermal hydroalkylation process gets commercial tryout	Feb. 10	54	Legislation			
Control panel lights	Feb. 17	110	Cyclohexanone			Celler Bill	May 12-45,	May 26-17, 33	
Electronic controller called Optimac	Mar. 10	49	Dutch process debuts	Apr. 28	101	Kefauver bill	June 23	31	
Maintenance control keeps track of jobs and personnel	Feb. 3	77	Scientific Design's cyclohexanone oxidation process may be key to caprolactam process	June 9	74	Feb. 17-62, Mar. 24-43, Apr. 21-44, Kennedy proposals for changes in Food, Drug and Cosmetics Act Feb. 3-25, Feb. 10-31, Mar. 17-60, Mar. 24-43, June 9-55, Mail-order drugs threatened by Senate bill	June 23	31	
Motor controller	Feb. 17	109	D			Measles vaccine — AMA approves killed-virus vaccine	Mar. 3	68	
Potential-controlling system points way to lower cost electrochemical processing of organic chemicals	May 19	85	Dallas — More CPI on its skyline? — letter ..	Jan. 13	7	Medicare bill opposed by drugmakers	Feb. 17	100	
Static control	Feb. 17	112	DDT — GSA purchase is split three ways ..	Jan. 27	47	Packaging — high-density polyethylene gains in drug products packaging field ..	June 23	43	
Ultrasonic level control	Jan. 13	72	Defense Dept.			Painkiller for use at childbirth called "lucaine hydrochloride"	Mar. 31	45	
Conveyors — Portable pneumatic conveyors ..	Mar. 3	40	CPI plans few changes to deal with new centralized procurement office	Mar. 31	43	Poultry drug trade secrets case — British consultant testifies against Aries	June 2	20	
Coolants — Silicone fluid for coolant in airborne electronic equipment	Mar. 17	84	Tighter conflict-of-interest policies applied to industrial and scientific consultants	Mar. 17	59	Prescription drugs — wholesale prices down in '61	Mar. 17	101	
Coolers — Water cooler	June 16	136	Defense Supply Agency considers consolidated procurement of common-use chemical supplies for the military services	Mar. 17	59	Sampling plans revamped	Mar. 3	67	
Cooling System Chemicals — CSMA survey spotlights sales gains (chart & table) ..	May 26	87	Defense Dept.	Mar. 17	59	— letter	Mar. 17	9	
Cooling Towers — Fog problem solved by CPI firms	June 16	148	CPI plans few changes to deal with new centralized procurement office	Mar. 31	43	Sulfa drugs smuggling case	Feb. 17	44	
Co-operatives			Defense Supply Agency considers consolidated procurement of common-use chemical supplies for the military services	Mar. 17	59	Textron enters proprietary drug field with Mericil hand cream and Zolox poison-ivy ointment	Mar. 17	69	
Ammonia venture set up by four co-ops	Feb. 24	10	Tighter conflict-of-interest policies applied to industrial and scientific consultants	Mar. 17	59	Vaccines — Canada's Connaught — bullish in biologicals	Feb. 3	61	
Co-op stores are fast-growing outlets for broad variety of specialties	June 9	85	Deformers — Drum-filling deformer	Mar. 24	44	Veterinary drugs market is building fast ..	June 30	60	
Copper			Degassers — Sonic degasser	Mar. 17	79	Yugoslavian pharmaceutical industry has hard time keeping up with demand	May 26	40	
Cold-welding of copper under ultrahigh vacuum	Apr. 21	86	Dessicants — Caloxol C-31 for use in rubber processing	Mar. 3	40	Drugs			
Industry agency set up to bolster sales through new uses	Apr. 21	38	Detergents			Chemical cleaning process promises 15-50% cut in used-drum cost (table) ..	June 30	29	
Makers hot up processing, marketing gains ..	Jan. 13	38	Alfalfa alcohols provide petroleum-based source of biodegradable detergents (table)	June 2	43	Portable drum rotator	Feb. 17	110	
Copper & Brass Research Assn. — Survey of copper industry	Jan. 13	39	Booklets on detergents and emulsions available	Feb. 24	66	Drycleaning			
Copper Products Development Assn. — New industry agency set up to bolster sales ..	Apr. 21	38	Carboretol detergent called Paradene 44 ..	May 19	100	Sale of coin-operated drycleaners is booming	May 5	55	
Copying — Electrostatic copying process uses novel dispersant	Apr. 7	64	Clark on Laboratories, detergent-sanitizer producer, expands, diversifies	Feb. 3	62	Valcylene drycleaning compound marketing campaign	Apr. 14	74	
Corrosion			English firm sells Surf-brand detergent without gimmicks	Apr. 7	42	Dyes			
Better tests boost plastic linings used in corrosive chemical service	May 5	47	Nonionic detergents — prices	Jan. 13	78	Check-all, new dye-penetrant inspection kit finds defects in metals	Mar. 10	50	
Eleven corrosion inhibitors for steel	May 26	82	Sales of syndets hit new high	May 26	96	Hair dyes — new nontoxic line called Percolors	Feb. 24	66	
Cosmetics			Sales outlook	Apr. 21	118	Polypropylene dye series	June 9	67	
Administration proposes stricter control over cosmetics	Feb. 3	25	Tappan Clean, new sudsing detergent for dishwashers	May 19	147	Polypropylene dyeing process claimed by Japanese firms	Apr. 7	64	
Beer foam after-rinse hair conditioner and beer hair set in aerosol containers	May 26	90	Try, new liquid detergent made by sulfur trioxide process, debuts	Jan. 6	73	Synthetic henna called Lawsone	May 26	70	
Hair spray — Adorn hair spray for hard-to-hold hair	Jan. 20	108	— letter	Mar. 10	7	Technique for printing fabric blends ..	June 16	91	
Hairsprays fail to get clean bill of health from doctors	Apr. 28	58	Diamonds — Russians develop artificial diamonds	Feb. 17	100	Zirconium-iron glaze stains for peach, plum and tan color range	Apr. 21	95	
Helena Rubinstein opens Israeli operation ..	Feb. 10	58	Diazonium couplers	May 26	71	E			
Helene Curtis looks beyond cosmetics ..	Feb. 24	65	Dibasic acid — 8- and 12-carbon dibasic acids line	May 12	71	Education			
Kefauver prepares final draft of cosmetics bill	Feb. 17	62	3, 3-Dichlorobenzene — Output in '60 ..	May 19	128	Engineering enrollments hold steady	Feb. 24	19	
La Maur hairspray patent ruled invalid ..	Mar. 3	47	Dimethylacetamide — Prices	Feb. 10	64	New Jersey governor praises CPI for aid to education	Feb. 3	46	
Quaternary ammonium salt for cosmetic applications	May 19	149	Dimethyl ether — Methyl chloride process yields dimethyl ether by-product	June 16	119	Research manpower boost: aim of bill to finance technician training	Mar. 10	81	
Stronger cosmetic controls sought; factory inspection provision irks industry	Feb. 10	31	Dimethylpolysiloxane — Prices	Feb. 10	63	Survey questions theory that the best students make the best scientists	Mar. 3	24	
Costs			Dishwashers — New model uses suds	May 19	147	Egypt			
Direct costing accounting puts finger on profit leaks	Mar. 17	71	Distribution			Cellophane expansion	May 12	117	
Engineers put spotlight on cost cutting ..	Feb. 17	120	Atlas reorganizes Chemical Division field sales force	Apr. 28	48	Petrochemical plant may be built by Italy's ENI	May 5	38	
In-plant power system costs evaluated	June 2	67	Europe lacks distribution costs	Apr. 23	35	Elastomers — Production down in '61	Apr. 21	118	
Management probes cause and cure of indirect costs	June 2	52	Jet fuel anti-icing additive distribution system pays off	May 19	69	Electrochemicals			
Cotton			Reciprocal trade agreement between Fluorocarbon Co. and Thermotech Industries	Jan. 20	36	Coal may find new uses in electrochemical processing	June 2	46	
International cotton textile pact negotiated in Geneva	Feb. 24	9,19	St. Lawrence Seaway begins fourth season with threat of higher tolls (chart) ..	Mar. 24	51	Intermetallic compounds synthesized by means of electrochemical processing ..	Mar. 17	94	
Wash-wear finishes, multifinish system, stretch cotton process highlight USDA meeting	May 12	90	Divinyl sulfone			Potential-controlling system points way to lower cost electrochemical processing of organic chemicals	May 19	85	
Critical-Path Scheduling			Stevens licenses divinyl sulfone treatment to GAF	Mar. 3	61	Electrodes — Carbon electrodes for use in fuel cells	May 5	41	
Olin uses critical-path method in moving headquarters from Baltimore to New York ..	June 9	51	— letter	Mar. 31	7	Electrolytes — Polyelectrolyte series for sewage treatment	Mar. 17	79	
Portable analog computer for critical-path scheduling	Feb. 3	77	Textiles treated with divinyl sulfone	Feb. 10	63	Electron-beam processing moves into new areas	Apr. 14	89	
Crotonaldehyde — Maleic anhydride from crotonaldehyde — new process	Apr. 7	58	Dodecylbenzene — Prices	Mar. 24	97	Electron Beam Symposium — Highlights of fourth annual symposium	Apr. 14	89	
Cryogenics			Dodecylbenzenesulfonic acid — Detergent intermediate called Crestonol Acid ..	June 9	76	Electronics			
Cryorad heater for vaporizing cryogenic liquids	Apr. 14	120	Drafting — Computers debut in drafting design field	Jan. 13	72	IRE meeting highlights new developments in electronics field	Apr. 7	50	
Demand for cryogenic gases hit new high in '61	Mar. 17	108	Drives — Adjustable-speed drives	Mar. 31	64	Microcircuits: key to shrinking world of electronics	Mar. 3	55	
Linde forms construction engineering department to strengthen cryogenic operations	May 26	45	Drugs			Microminiature electronic circuits go commercial	Mar. 17	84	
"Super Insulation" adapted to high-temperature work	June 30	45	ACS meeting highlights developments in antiradiation and antidepressant drugs ..	Feb. 17	5	Sales increase forecast	Mar. 31	13	
Superinsulators for cryogenics — NRC-2 is latest contender	Jan. 27	38	Animal drugs — cattle rustlers use anesthetic dart gun — Chemicals abet crime — Viewpoint	Jan. 27	31				
Crystals			Arteriosclerosis drug called Astronid ..	June 30	46				
Indium antimonide crystals for infrared and other electromagnetic detectors	Mar. 24	97	Bottoms, Caesar, convicted of mislabeling hydrochlorothiazide	June 30	22				
Single crystals of tungsten, molybdenum, tantalum and columbium available	May 26	69	British and German drug exports up ..	Feb. 17	43				
			Clinical testing controversy flares up ..	May 26	81				
			Clinical testing's high costs put limited testing in favorable new light	May 19	48				
			Counterfeit drug distribution case	Mar. 24	89				
			Dioxadrol compounds show promise for treatment of ulcers and senility	June 21	63				

Solid-state electronic controller called Optimac	Mar. 10	49	glycol outlook (chart & table)	May 26	99	Fans	Jan. 20	66
Electroplating			Europe			Axial flow fan		
Gold-plated molybdenum discs for semiconductor	Jan. 6	70	Advertising men dig in overseas	May 19	67	Cyclone fan shows promise as chemical reactor and heat exchanger	Feb. 24	62
Refractory metal plating unit	Feb. 3	79	Common Market antitrust rules are becoming a problem to U.S. businessmen	May 19	78	Fatty Acids - Hystrone 9022, new fatty acid	Mar. 17	79
Emulsifiers - Agricultural emulsifiers	Apr. 21	96	Common Market asks France and Italy to dismantle their national monopolies in potash, matches and tobacco	May 5	38	Federal Trade Commission		
Emulsions			Common Market doubles tariffs on polyethylene and polystyrene (charts)	June 30	57	Bill proposes giving FTC power to issue temporary injunctions - Viewpoint	June 23	5
Acrylic aqueous emulsion, Rhoplex E-32	June 2	63	Common Market is expanding	June 30	57	Dixon, Paul R., holds unprecedented public hearing in St. Regis case	Jan. 13	87
Booklets on detergents and emulsions available	Feb. 24	66	Depreciation is main difference between European and U.S. economy - Viewpoint	Mar. 31	5	Dixon, P.R., speaks out on joint ventures by large companies	Mar. 24	89
Chemical Concentrates offers extensive line of wax emulsions	May 19	144	Distribution systems streamlined by Europe's CPI	June 23	35	Mason, Lowell, ex FTC member, blasts Commission	Feb. 10	17
Floor finish emulsion, Crilicon 145	May 5	42	European labor's new tough look - report (charts)	Mar. 31	33	Federation of Independent Petroleum Labor Organizations (FIPL) - New name in CPI's labor line-up	Feb. 3	45
Lighter-colored styrene polymer emulsions being developed	May 26	82	European plastics - report, A.L. Griff (charts & tables)	May 12	47	Fermentation - Fermentation - report (tables)	June 16	97
Polyvinyl acetate homopolymer emulsion	Feb. 24	68	U.S. and Britain feel Euromart's pinch: retaliatory duties on U.S. resins and fibers, potential British entry into EEC (table)	June 16	39	PL 1 Present status of industry	June 16	98
Silicone emulsion prices	Feb. 17	126	Western European chemical industry output	June 23	34	PL 2 New fields beckon fermentation researchers, Ralph Anderson	June 16	105
Water-thinnable, oil-base emulsions high-light West Coast coatings show	Mar. 17	66	Evaporators - Continuous ion-exchange process controls scaling in saline water evaporators	Apr. 14	28	Ferric acetylacetonate - Available from Tracerlab	Mar. 3	39
Enamels - Primer-enamel called Desoguard	Feb. 24	68	Explosives			Ferric chloride - Chicago sanitation officials investigate ferric prices	May 19	42
Encapsulation - National Lead commercializes encapsulation process	June 2	49	Freepot's Seagirt sulfur mine damaged by explosion and fire	Mar. 31	20	Fertilizers		
Engineering			Maumee Chemical explosion at Toledo, O. Investigation	May 19	128	Canada exports into U.S. despite own shortages (map)	Apr. 28	29
AICHE members spotlight engineering costs, heavy water production	Feb. 17	120	Production operations transferred to Cincinnati	June 16	36	Caribbean ammonia project is key to hot new fight for overseas fertilizer markets	May 5	21
API begins work on design data book	May 26	52	Olin Mathieson's Brandenburg, Ky. plant damaged by blast	Apr. 28	82	Chemical fertilizer demand will increase 2-3% in '62	Jan. 20	50
Computers take guesswork out of engineering, cut plant design costs	Mar. 10	75	Solar Chemical returns to business scene after '61 disaster	Mar. 31	47	Co-ops form new ammonia venture	Feb. 24	10
Computers take over new process control jobs (table)	June 9	71	Explosives			Demand up, production hits all-time high (table)	May 5	75
Houston consultants use mathematics to solve complex problems of process plants	Apr. 28	77	Portable blending unit for explosives called Mixmobile	May 12	32	Greece will become self-sufficient in fertilizers	Jan. 20	29
Information retrieval emphasis shifts to engineering	Jan. 27	61	Safety manual for workers in explosives	June 16	151	Import and export figures for '61 (table)	Feb. 17	40
Japan sells know-how	Mar. 24	68	Exports			India forecasts nitrogen fertilizer production	Mar. 24	72
Japanese technology survey by U.S. firm	Feb. 3	54	Administration prepares brief on U.S. chemical industry	Apr. 14	22	Japanese firm pilots fertilizer from coal process	Apr. 7	58
Linde forms construction engineering department to strengthen cryogenic operations	May 26	45	Antidumping measures may hit U.S. petrochemical exports to Japan	Mar. 31	20	Japanese producers cautious on Red Chinese deals	Feb. 17	45
Reichhold puts price tags on its processes	Mar. 31	51	British and German drug exports up	Feb. 17	43	Jordan will build plant with unnamed German firm	May 12	117
Task force vs. departments for plant design projects	Feb. 24	22	British picture cloudy but hopeful	Mar. 24	67	Mediterranean area to be site of eight new plants	Mar. 3	14
Engines			Canadian fertilizer producers go after U.S. sales (map)	Apr. 28	29	Mexico new fertilizer exporter - letter	Mar. 31	7
Chrysler is debating limited production of turbine engines	Jan. 6	22	Chemical import and export figures for '61 (table)	Feb. 17	40	Mississippi fertilizer expansions	Apr. 28	23
Chrysler road tests turbine engines	Jan. 13	66	Commerce Dept. steps up services designed to encourage foreign trade	Jan. 20	39	Morocco seeks private capital for project	June 30	18
Liquid hydrogen space engine, M-1, development program	Feb. 3	26	EEC tariff hikes on polyethylene and polystyrene will have small impact on U.S. plastics (charts)	June 30	57	Morocco's Safi complex under construction	May 12	117
Nuclear-powered rocket engines development program	May 26	34	Fisons finds streamlining of export sales	Jan. 27	48	North Carolina activities: high nitrogen project launched, three firms bid for phosphate mining rights (map)	June 16	41
Enzymes			GATT tariff cuts: backdrop for battle over trade bill (table)	Mar. 17	39	Peak market fosters two-way integration moves	Jan. 27	22
Bromelain to be sold commercially under tradename Ananase	Jan. 27	37	German chemical exports dropped in '61	Apr. 14	18	Pilot plant is versatile enough to run competitors' processes	June 16	84
Coenzyme Q-10 (ubiquinone) in purified form	Mar. 10	49	IMC shifts from co-operative to independent potash exporting	Jan. 27	24	Sales may hit new record in '62	June 2	58
Fading shiner backs enzyme research - Viewpoint	Apr. 14	57	Japan seeks new export opportunities	June 30	20	Spanish project	Apr. 7	18
Fermentation - report (tables)	June 16	97	Kennedy administration tries to win CPI support for trade program	May 5	38	Opposition	Apr. 21	18
PL 1 Present status of industry Perlman & Kroll	June 16	98	Kennedy's tariff proposals - CPI takes sides on new bill (table)	Mar. 3	23	Official okay		
Pt. 2 New fields beckon fermentation researchers, Ralph Anderson	June 16	105	Kennedy's trade bill supported by CPI - with reservations	Feb. 10	21	Spencer integrates forward in fertilizers with eight-way acquisition	Jan. 20	35
Starch producers revamp processes to utilize new cost-cutting enzyme	Apr. 21	99	Mexican group releases list of companies selling to Cuba	Apr. 7	29	Stoller expands fertilizer division, acquires distributor	May 26	29
Therapeutic enzyme, Ananase, for swellings and bruises	Mar. 3	39	Polyethylene exports drop, reflecting buildup of overseas capacity (chart & tables)	Feb. 3	18	TVA offers cut-rate fertilizers to every farmer in Lincoln County, Tenn.	Mar. 31	68
Therapeutic role of enzymes rises	Mar. 7	49	Puerto Rican olefins plant will act as a subzone of a foreign trade zone	May 19	133	Industry reaction	Apr. 7	75
Equipment			Russian price reductions may augur export drive (table)	Feb. 24	20	TVA production figures	Jan. 6	29
Capital goods forecast for '62	May 19	36	Tetraethyl and tetramethyl lead exports (chart & tables)	Jan. 27	51	Tunisia plans complex with Algeria and Morocco	June 30	23
Capital goods manufacturers expect average 16% increase in new orders	Feb. 17	35	U.S. chemical sales to Japan totaled \$215 million in '61	Jan. 13	32	Western marketers expect banner year in '62	Mar. 24	107
Capital spending for plants and equipment - MCA's 1961 survey (table)	May 5	24	U.S. Euromart tariff-cutting pact sets stage for Congressional battle (table)	Jan. 27	21	Fibers		
Curtain coating equipment spurs formulation work by paintmakers	Feb. 17	75	U.S. exporters of polyethylene and aromatic hydrocarbons may run into trouble in Common Market	May 26	18	Acrylic fiber advertising programs snow	Feb. 24	45
Electrical equipment makers pressured by CPI and antitrusters	Jan. 13	70	U.S. fiber and resin exports are hit by Euromart retaliation (table)	June 16	39	Airvel, English yarn spinning process licensed to Du Pont	Jan. 27	38
Electrical equipment makers take careful pricing course	Jan. 6	76	World chemical trade trends draw close study as tariff bill advances (charts & table)	May 12	21	BHS, new modacrylic fiber from England	Mar. 3	61
Fly ash conditioner	June 9	90	o-xylene export prices skid to new low level	Jan. 20	87	Bigelow-Sanford sells Zantrel fiber venture to American Enka	Jan. 13	29
Gas-flow control problems tackled by Linde	Mar. 24	119	Yugoslavia is potential market for U.S. products (chart & table)	Jan. 13	53	Canadian fiber industry lineup may be changed by proposed ICI-Courtaulds merger	Jan. 6	27
Imported lab equipment gets bigger share of U.S. market (charts)	Feb. 24	55	Expositions - U.S. firms prepare for New York World's Fair	June 30	54	Czech process for washing of Chemion polyamide fiber	Apr. 21	102
Index of new equipment orders	June 2	74	Extraction - Uranium extraction process uses quarternary ammonium compounds	Feb. 10	50	Dyeable polypropylene fiber developed	Jan. 27	25
Index of new equipment orders - new aid for the equipment purchaser - Behind the news	June 2	5	F			High-temperature aluminum silicate fibers for chemical process industries' use (table)	June 9	61
Letter	June 23	7				Italy's ENI moves into fibers	Mar. 10	24
Manhole protection rings	June 9	90				Japanese fibers boom	Feb. 10	79
Plasma spraying equipment leasing plan	Mar. 17	84				Man-made fibers congress takes look at basic scientific trends related to development of new fibers	June 16	55
Reinforced plastics may cut equipment costs	Feb. 17	99				Output breaks record in '61	Feb. 24	79
Sea-water conversion equipment contract awarded by U.S. Army	June 30	40				Shrinkage control treatment	Apr. 14	80
Spray gun	Jan. 20	108				Sodium chloride textile-bleaching process challenges peroxide for share of market	Feb. 10	47
Spray gun, Stajet, uses static electricity in coating plant process equipment	June 2	65				Spandex elastomer yarn entry from Fire-stone	Feb. 24	71
Spray head	Jan. 6	74				Spandex fiber and high-temperature-resistant fibers get top billing at textile research conclave	Mar. 31	61
Ethanol - Outlook good despite likely fall-off of fermentation product (chart & tables)	Apr. 21	113				Spandex production considered by Rohm & Haas	May 5	18
Ethyl cellulose - Prices	Mar. 31	68				Technique for printing fabric blends	June 16	91
Ethyl (mono) chloroacetate - Prices	June 9	32				World output inches up	Feb. 10	72
Ethylene						World output of man-made fibers to break record in '62	June 16	119
Capacity explosion (table)	Mar. 31	17				Zetkrome, new doubleknit fiber, debuts in eight colors	Jan. 20	41
Ethylene from crude oil processes get a boost	Apr. 14	83						
Ethylene-from-crude-oil processors eye European needs (chart)	Apr. 28	95						
Union Carbide Olefins launches drive for 'outside' sales in ethylene	Mar. 24	22						
Ethylene dibromide - Supply-demand picture (chart & tables)	Mar. 3	75						
Ethylene glycol - Polyesters brighten								

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Industrial gas outlook for '62	Apr. 7	84	Cryod heater for vaporizing cryogenic liquids	Apr. 14	120	Israel does away with import licenses	May 12	117
Linde forms new team to solve gas-flow control problems	Mar. 24	11	Door air heater	Mar. 17	79	Kennedy's trade bill supported by CPI — with reservations	Apr. 7	29
Gaskets — Cryogenic gasketing material, Chempec	Feb. 10	59	Heavy Water	Apr. 21	23	Naphthalene importers drop prices	Mar. 3	72
Gasoline			Canadian project considered by Du Pont — Economics of heavy-water production evaluated	Feb. 17	120	Puerto Rican oilfields plant will act as sub-zone of a foreign trade zone	Feb. 24	20
Durabead 5 cracking catalyst incorporates a molecular sieve in conjunction with a rare earth	June 30	45	Helium			Rock salt imports pose serious problem for U.S. producers (chart & table)	Jan. 20	75
Durabead 5 cracking catalyst will hike gasoline yields	Apr. 7	63	Helium plasma jet	Feb. 3	54	Russian chemicals: rising force in world trade (table)	Mar. 3	18
Gauges			Interior Dept. wants to make more helium purchase contracts	Jan. 27	17	Tariff proposals — CPI takes sides on new bill (table)	Feb. 10	21
Baratron electronic manometer	Feb. 17	109	Outlook for '62	Apr. 7	84	U.S. Eurochem tariff-cutting pact sets stage for Congressional battle (table)	Jan. 27	21
Miniature pressure gauge	Feb. 17	109	Process rivalry heightens interest in helium contracts (table)	Jan. 20	93	Urea market threatened by Japanese imports (chart & table)	Feb. 17	129
Polypropylene gauge cases	May 19	150	Helmets — Unfavorable report on safety hats is surprise blow to helmet makers	Apr. 21	85	Urea prices in for squeeze due to import pinch from Canada and Japan	Jan. 20	87
Pressure gauge	May 26	69	Herbicides			Urea sellers on West Coast disturbed by pricing tactics of Japanese producers	Jan. 27	48
Gelling Agents			Common names given to five herbicide chemicals	May 19	148	World chemical trade trends draw close study as tariff bill advances (charts & table)	May 12	21
Guar gum gelling agents form gels in one step	June 16	91	Sales chalk up record year in '61 (chart)	Jan. 6	57	Incinerators — Smokeless incinerator cuts air-pollution problems and costs	Mar. 3	52
Guar gum hydrocolloid, Quartec E-2	May 5	61	Weed and grass killer products: Novege and Dowpon debut; Zytron available in liquid formulation	Mar. 17	80	India		
Magnesia-silica gel, Florisil, for gas chromatography	May 12	71	Hexafluorobenzene			Gas pipelines to be laid in Gujarat	May 12	117
Generators — Nuclear generator will power underwater navigational beacon	Apr. 28-31	74	New process may lead to new jobs for hexafluorobenzene	Jan. 6	49	Import Advisory Council may tighten import restrictions	Mar. 3	21
Germany			Spery seeks producer for perfluorobenzene	June 30	46	Nitrogen fertilizer production for '62-'63...	Mar. 24	72
Chemical exports dropped in '61	Apr. 14	18	process	Jan. 13	42	Petrochemical steam-cracking units	May 5	38
Chemical industry sets up coordination council to deal with union demands	June 16	74	Highways — Latex makers put new push behind modified cements for paving	Jan. 13	42	Pharmaceutical projects	Apr. 14	30
Drug exports up	Feb. 17	43	Hills, Robert C. — Key man in Freeport	Jan. 20	116	Polyester staple fiber venture	May 19	58
East Germany adopts Russian standards	Mar. 17	54	Sulphur diversification drive	Jan. 20	116	Polypropylene venture	May 19	58
European labor's new tough look — report (charts)	Mar. 31	33	Hormones — Anabolic (tissue-building) hormone called Winsol	Jan. 20	70	Rutile titanium pigments production	Apr. 21	56
Hamburg weathers a flood	Mar. 3	20	Humble Independents — Merged to form new labor union — FIPLO	Feb. 3	45	State Trading Corp.'s growing control over imports may mean government is moving leftward	Mar. 24	67
Outlook for CPI	Jan. 6	30	Hungary			U.S. grants loan for purchase of U.S. fertilizer, metals, rubber and sulfur	Mar. 17	54
Plastics slow in '61	Feb. 10	76	Five-year plan	Jan. 27	46	Industrial Education Institute — FMC's Reul will discuss profitability index at seminars	Jan. 20	115
Sales dropped in '61	Mar. 24	68	Foreign trade increased 100% between '55 and '61	Apr. 21	56	Industrial Safety Equipment Assn. — Head Protection Group prepares rebuttal to unfavorable report on safety hats	Apr. 21	85
Sulfuric acid production	Mar. 3	21	Hydraulic Fluids — California cracks down on automatic transmission fluid selling	Mar. 17	66	Industry Developments		
West German CPI faces tough labor negotiations period	Jan. 27	18	Hydrazine — Fissiochemistry processing gets tryout in hydrazine production	Jan. 27	37	Allied Chemical-Union Texas merger	Jan. 27	24
West Germany drafts new antidumping rules	Apr. 7	24	Hydrocarbons			Stockholders vote	Feb. 24	9
Germicides — Fungicide-germicide for varnishes and paints	Mar. 3	40	Fluorinated hydrocarbon propellants — prices	Mar. 31	68	Merger becomes effective	Jan. 13	29
Glass			IsoSiv process for hydrocarbon separation	Apr. 21	100	American Enka acquires Hartford Fibres Co.	June 2	18
Container shipments break record	Feb. 17	136	Hydrodealkylation			American Viscose denies reports it will be sold	June 2	18
Rare-earth oxide glass polishes venture	Jan. 13	38	Sun Oil reveals details of its process	May 26	50	Avisco seeks outlet for Monsanto stock; Stauffer-Avisco venture considered	May 19	43
Glucose			Thermal process gets commercial tryout	Feb. 10	54	Argentina: confusion in leadership	May 5	34
Enzymatic starch-to-dextrose process causes stir in industry	Apr. 21-28	99	Hydrogen			Bewidlers chemical plant investors	Mar. 10	17
Enzymatic starch to glucose process described by USDA researchers	May 19	94	Air Force bulletin outlines five techniques for moving liquid hydrogen	Jan. 13	39	Atlantic Refining moves into chemical field	Mar. 10	55
Glutaric anhydride — Available from Du Pont	May 16	135	Hydrogen purification process ties in with steam reformation furnace	Apr. 14	83	Brazil: no stem economic reforms until after election	Jan. 20	55
Glycerin			Hydrogen — report (charts & tables) — letter	May 19	103	Brazilian leftists seize upon St. Regis Paper Co. internal scandal to fan anti-American fire	Jan. 27	45
Capacity boosts focus attention on prices	Apr. 14	109	Hydro process catalytically converts hydrocarbons into hydrogen and coke	June 9	7	Brazil's impoverished Northeast is target of chemical expansion plan (map)	June 9	35
Pentaerythritol-glycerin price gap narrows (chart)	Apr. 7	81	Lomax hydrocracking process details	Apr. 14-83		Britain sees brighter '62	Jan. 27	45
Prices	May 5	72	Naphtha reforming process to be used by ICI	May 26	81	Britain's Albright & Wilson makes good in chemicals	Apr. 21	49
Great Britain			NASA awards seven year contract for liquid hydrogen to Linde	June 16	42	British chemical industry picture cloudy but hopeful	Mar. 24	67
Antidumping duty imposed on East German ammonium sulfate	Mar. 17	43	NASA gets liquid hydrogen from Linde	June 9	68	Burma is in urgent need of chemicals	Apr. 21	43
Dock strike threatened	May 12	117	NASA seeks bids on liquid hydrogen contract	May 5	17	Carlson Products acquires interest in Zimmerman Machinery	Jan. 20	37
Drug exports up	Feb. 17	43	NASA will build nation's largest liquid hydrogen plant	Feb. 10	28	Chemical Concentrates pushes into variety of new chemical specialties areas	May 19	144
Drug firm files suit against Ministry of Health for purchasing drugs from unlicensed foreign manufacturers	Apr. 7	24	Outlook for '62	Apr. 7	84	CPI must participate in national policy formulation — Viewpoint	June 16	5
EEC membership may be delayed until summer of '63	Feb. 17	36	Hydrogen cyanide — Liquid hydrogen cyanide prices	Mar. 31	68	CPI products set growth pace in past decade (chart)	Jan. 20	37
European labor's new tough look — report (charts)	Mar. 31	33	Hydrogen fluoride			Chemical Specialties Manufacturers Assn. gains in stature and authority	June 23	49
Forecast for '62 brighter	Jan. 27	45	Anhydrous hydrogen fluoride from fluosilicic acid — new process	Jan. 13	65	Chinese build trade	Feb. 10	75
Management of heavy chemical industry will accede to union demands for higher pay	Feb. 10	18	Du Pont will build plant in Texas	June 2	23	Coal-chemical-metal integration — new fad in diversification	Feb. 24	14
National Economic Development Council's growth target	May 26	40	Hydrogen peroxide			Commerce Dept. steps up services designed to encourage foreign trade	Jan. 20	39
Outlook for CPI	Jan. 6-30		High-concentration solutions to be handled by Pennsalt	June 9	81	Commercial Solvents acquires majority interest in Milan firm	Feb. 24	15
Paint organizations join forces	June 2	34	New process produces peroxide from peracetic acid	May 19	90	Courtaulds-Kirkless merger proposed	June 23	23
Plastics makers optimistic about future	Jan. 20	38	Illinois Institute of Technology — Research park to be built in Chicago's south central area	Feb. 17	152	Crown Zellerbach puts stress on chemicals	Apr. 28	30
Research policies revised by government	Jan. 20	111	Imports			Gyanamid builds overseas, still looks for mergers	Mar. 3	14
Sulfuric acid output	Mar. 3	21	Administration prepares brief on U.S. chemical industry	Apr. 14	22	Diamond Alkali-Cary Chemical's merger rumored	Jan. 6	27
Greece			Administration tries to win CPI support for trade program	Mar. 3	23	Du Bois Chemicals-Vestal Laboratories merger near	Feb. 10	58
Foreign firms invest in chemical ventures	Apr. 23	38	Chemical import and export figures for '61 (table)	Feb. 17	40	Dutch-based Phillips: growing U.S. power	May 12	118
Franco-Hellenic venture will make Greece self-sufficient in fertilizers	Jan. 20	29	Equipment import boom (charts)	Feb. 24	55	Dutch girl for Common Market tariff	Feb. 10	75
Guided Missiles			France rescinds antidumping tax on polyethylene imports, new steps may be taken on other chemicals	Feb. 17	36	Eastman Kodak stresses specialties in chemical growth plans	June 30	22
Air Force to award contract for solid-fueled mid-range ballistic missile for dispersal in Europe	Mar. 31	24	GATT tariff cuts: backdrop for battle over trade bill (table)	Mar. 17	39	Essex Chemical, formerly Dixon Chemical, plans more joint operating deals	June 30	22
Profit pyramiding by missile contractors under study by Senate Subcommittee	Feb. 17	61	Germany drafts new antidumping rules	Apr. 7	24	FTC's Dixon speaks out on joint ventures by large companies	Mar. 24	89
Gulf Coast — Cold wave causes management to take closer look at emergency procedures	Jan. 27	40	Imports will take over 20% of market if tariffs are eliminated	June 23	17	FNC bet on new products to boost sales and income	Apr. 21	25
Gum — Series of gums for adhesives and paper coatings	Mar. 10	49	India may tighten import restrictions	Mar. 3	21	Foreign investment slowdown by U.S. CPI	Apr. 14	30
Gypsum			India's State Trading Corp.'s growing control over imports may mean government is moving leftward	Mar. 24	67	Foreign operations — Getting in shape to take on the world — report	Mar. 10	26
Japanese phosphoric acid process yields large, uniform gypsum crystals	June 23	90	International cotton textile pact negotiated in Geneva	Feb. 24-9	19	Foreign sales, assets, earnings for 1950-1960 revealed by 100-company study (table)	Jan. 13	27
Sulfuric acid-from-gypsum process	Mar. 24	78						

France's four-year plan (chart)	Feb. 3	23	Instruments	Automated troubleshooter checks out feed-back controls for variable-speed electric drives	Feb. 17	110	EEC membership sought	Feb. 17	36
Freeport Sulphur drops plans to buy Uranium Reduction	Feb. 17	35	Cryogenic temperature probes	Feb. 17	39	Evaporation desalting plant slated for Elitah port	Jan. 27	46	
General Dynamics' Liquid Carbonic division may be sold to Universal Oil Products	May 19	44	Data gathering and control system for tanks and pipelines	Apr. 14	79	Import licenses will not be needed after June	May 12	117	
General Dynamics says no to chemical ventures	Jan. 20	35	Defect detector kit called Chex-all	Mar. 10	50	Italy			
Grace, W. R. proposes acquisition of Cosden Petroleum	Jan. 27	18	Dewpoint sensor called DewProbes	June 9	89	Antibiotic, Rifocin, developed	May 19	58	
Helene Curtis diversifies	Feb. 24	65	Diagon instrument probe system	Apr. 7	68	Chemical boom is standout in Western Europe	Jan. 6	30	
Hercules and Celanese spin off wallpaper and resins divisions	Feb. 24	15	Digitized models of analytical instruments debut	Mar. 24	97	ENI moves into fibers	Mar. 10	24	
Hooker will buy Footie Mineral's interest in HCF	May 12	18	Direct computer control of instrument loops achieved	May 26	82	European labor's new tough look - report (charts)	Mar. 31	33	
ICI-Courtauld merger	Jan. 6	27	Dynastar differential-speed recorder	Jan. 27	44				
Creates stir in Canadian fiber industry	Jan. 13	18	Dynamic capacitor ele-trometer	Apr. 14	79				
Negotiations dropped	Jan. 27	18	Flow-rate sensor	Feb. 17	109				
Four-shares-for-five deal	Feb. 3	18	Humidity sensor	May 19	150				
Government may issue statement	Feb. 3	22	Imported lab equipment gets bigger share of U.S. market (charts)	Feb. 24	55				
Takeover bid undervalues company	Feb. 3	22	Infrared detector tube	June 16	136	Japan			
Government decides not to intervene	Feb. 10	25	Level sensor	Jan. 20	66	Acrylonitrile producers are feuding with acrylic fiber makers	May 12	117	
Financial report lends strength to new bid	Feb. 17	44	Moisture monitor	Mar. 17	79	Antidumping measures may hit U.S. petrochemical exports to Japan	Mar. 31	20	
Merger battle may be nearing final round	Feb. 24	10	Ozone recorder	Feb. 17	110	Chemical industry moves to modernize - letter	Jan. 20	24	
Revises merger terms	Mar. 10	24	Particle measurement service instituted	Feb. 17	112	CPI's emphasis on research is paying off in a spurt of licensing contracts	Mar. 24	68	
ICI gives up fight	Mar. 17	36	Particle monitor	Apr. 28	41	Equipment makers to visit Russia	Apr. 28	38	
ICI defeat: what it augurs	Mar. 24	19	Process stream analyzers from Du Pont	Jan. 20	69	Export opportunities sought: U.S. agrees on policy for AID funds for Vietnamese fertilizer project	June 30	20	
Interchemical acquires Fries Bros.	Jan. 6	27	Punched-tape reader	Jan. 13	71	Fertilizer producers cautious on Red Chinese deals	Feb. 17	45	
Israel woos foreign chemical investors	May 19	55	Radiation measuring devices	Feb. 17	112	Fertilizer and rayon export deals with Red China	Jan. 27	46	
Italy sets pace in Western European CPI growth	Jan. 6	30	Radiation monitor	Mar. 3	40	Fibers boom	Feb. 10	79	
Jersey Standard reorganizes chemical operations	June 9	17	Radioactive-materials balance	June 9	90	MITI and oil refiners agree to cut capital investment	June 9	40	
Kawecki Chemical-Accurate Specialties merger proposed	Feb. 3	18	Recorder, chart	May 5	41	MITI tries to hold total investment to '61 level	Apr. 21	56	
Kemrich Petrochemicals diversifies, merges with Standard Toth Industries	Mar. 17	42	Recorder, nitrogen dioxide	Apr. 7	68	Mitsui petrochemical's center sets pattern for future complexes	June 16	67	
Latin American Free Trade Assn: chemicals boost? (table)	Mar. 10	22	Sample injector	Jan. 20	66	Photographic film giant moves into plastics production	May 19	56	
Magna Products undergoes several major changes	Jan. 13	45	Signaling device answers phone, reports on process unit	Apr. 21	90	Polyacetal production boost	May 30	18	
Manufacturing production plateaus - Business Benchmarks	Mar. 3	80	Solids measuring instrument called Solitrol	Mar. 17	79	Three trade unions merge to challenge Sohyo	May 26	40	
Martin Marietta forms new Chemical Divisions	Feb. 3	22	Swept changer	Feb. 17	110	Tight money policy cuts CPI expansion rate	May 26	37	
Martin Marietta reorganizes	Jan. 13	29	Statistical deviation control system improves process control accuracy	June 16	147	Tajon suffers serious water shortage	May 19	44	
Merger activities move ahead despite opposition from antitrust agencies	Feb. 3	22	Sulfide detector	Jan. 13	72	U.S. chemical sales to Japan totaled \$215 million in '61	Jan. 13	32	
Merger moves by chemical specialties companies	Feb. 3	22	Telemetry system for pipelines	Jan. 13	72	U.S. firm surveys Japanese technology	Feb. 3	54	
Mergers and acquisitions show slight increase in '61	Jan. 13	29	Temperature sensor	June 16	136				
Mexico: welcome-mat still out for U.S. Investors	Feb. 10	23	Tensile tester called Minitester	May 26	69	Jordan			
Majave, Calif. - fertile spot for CPI growth?	Mar. 31	14	Thermocouple vacuum recorder	Apr. 14	125	Fertilizer plant to be built at Alaqaba	May 12	117	
Morocco's Saffi complex scandal - Bloody but unbowed - Viewpoint	Feb. 10	28	Threadline temperature indicator	June 30	45	Phosphate project bids	June 2	34	
National Starch's integration moves	Mar. 31	27	Arc-extinguishing thermoplastic is key to new fuse tube	Feb. 3	63				
New Jersey Zinc diversifies into chemicals	Jan. 27	5	Cryogenic "Super Insulation" adapted to high-temperature work	May 12	111				
North American Coal diversifies into chemicals	May 26	27	Curing insulation for high-temperature use in rockets	Feb. 3	79				
Ohio Oil acquires Plymouth Oil, takes new firm name	Mar. 31	27	Demand for rigid urethane foam spurts (chart & table)	Apr. 28	42	Kilns - Natural-gas-fired vertical lime kilns up output 70% - letter	Jan. 6	65	
Oil buys in - report (charts)	Jan. 27	5	Foam pipe insulation	Jan. 6	70		Feb. 17	16	
The outlook: "continued expansion" - Business benchmarks	Mar. 17	118	Inorganic foams: clearing the cost barrier? Irradiation-cured polyethylene cable insulation	Mar. 10	50	Korea			
Pfizer proposes transfer of stock deal with Watkins Products	Feb. 3	17	Power cables with Vulkene insulation	Jan. 27	38	Fertilizer project	June 30	23	
Presto Dychem acquires Mastro Plastics	Mar. 24	18	Superinsulators for cryogenics - NRC-2 is latest contender	May 26	108	Polyvinyl chloride project	June 9	40	
Reher Simmons Research-Pow-Pak merger rumored	Jan. 27	18	Thermo-lag heat-blocking compounds debut	May 5	32	South Korea's second urea fertilizer plant under way	Jan. 6	30	
Rohm & Haas proposes acquisition of Rhee Industries	Feb. 3	23	Urethane foam insulation used in tankers	May 12	72	Kuwait - Investment plans include loan to Jordan, potash venture; and petrochemical project	Apr. 21	18	
Russia's chemical production up	Jan. 27	18	Vinyl-acrylic mastic weatherproofs insulating materials	May 5	41				
Soviet bloc meets to counter the Common Market	June 16	68	Intermediates	Mar. 24	97	Labeling			
Spain bids for sophisticated CPI (map)	Mar. 17	51	Carlisle is offering two intermediates	May 12	71	FDA charges turpentine seller with violation of Hazardous Substances Labeling Act	Apr. 7	42	
Spain's chemical industry continues to expand despite labor troubles	May 26	38	Detergent intermediate called Crestonol Acid	May 19	149	Hazardous Substances Labeling Act deadline extended Jan. 13-31	June 2	26	
Spencer integrates forward in fertilizers with eight-way acquisition	Jan. 20	35	Drug intermediates	June 16	91	Lawsuit alerts industry to hazards of new labeling law	Mar. 10	21	
Standard-Vacuum split-up completed	Apr. 7	17	Phosphorus oxybromide intermediate	Apr. 14	28	Senator Hart takes aim at misleading packaging practices	June 16	42	
Stockholders' annual meetings - roundup	Mar. 31	19	Iodine - Shell's new butadiene process may involve iodine	Jan. 20	100				
Texas Butadiene sells some assets to Sinclair	June 16	35	Ion Exchange	Mar. 24	78	Labor			
Thiokol acquires St. Regis' Trenton Panelyte Division	Jan. 6	21	Continuous ion-exchange process controls scaling in saline water evaporators	Apr. 14	28	Allied Oil Workers Union officers fight ouster	Mar. 24	90	
Unilever tells some details of its corporate structure	May 19	58	Powdex Process, new ion-exchange process requires less resin inventory	Jan. 20	100	Aluminum negotiations	May 12	17	
United Nuclear-Sabre-Pinson merger tented	Feb. 24	16	Waste-water neutralizing exchanger cuts costs	Jan. 6	69	Talks get under way	June 2	17	
U.S. Rubber forms new international unit	Feb. 10	76	Iowa State University - Sulfuric acid-from-gypsum or anhydrite - new process	Mar. 24	78	Fringe benefits stressed	June 16	35	
Urethane industries seeks to acquire Stauffer-Hewitt	Jan. 13	53	Iron	Apr. 14	28	Talks resumed after 11-day recess	Mar. 17	74	
Vertical integration: key to polyethylene profits (table)	May 5	31	Iron ore reduction process	Jan. 13	39	Ashland Oil employees cut work week	Mar. 24	90	
Yugoslavia is potential market for U.S. products (chart & table)	Jan. 13	53	Madaras process for direct reduction of iron	Feb. 17	122	Britain's heavy chemical industry management will accede to demands for higher pay	Feb. 10	18	
Zep Mfg. Co. to merge with National Linen	June 9	26	Pig iron process developed in Britain	Feb. 17	122	Canadian court furbs use of union dues to support a political party	Apr. 7	27	
Information Retrieval - Engineering firm's new information retrieval system makes know-how available to process designers	Jan. 27	61	Stelco, new direct reduction process	Mar. 31	58	Carbide lays off 215 employees	Mar. 31	14	
Inhibitors - Metaphosphate-type inhibitor for oilfield flood waters	Feb. 24	68	Venezuela revamps pig iron plant	Mar. 3	39	Celanese settlement	Mar. 10	102	
Ink - Temperature-sensitive printing ink	Mar. 17	79	Iron-59 - Available from Tracerlab	Apr. 21	95	Crown Zellerbach strike over	Apr. 21	75	
			Isobutyl acrylate - Produced commercially by Dow Badische	May 5	41	Cyanamid plant rejects unions	Mar. 10	102	
				May 12	111	Discrimination - defense contractors are affected by expansion of antidiscrimination program	Feb. 17	61	
				June 23	78	Discrimination on jobs by military contractors - Pentagon issues stricter rules	Jan. 20	49	
				Apr. 14	79				
				May 26	95				
				Apr. 28	101				
				May 19	99				
				Mar. 19	77				
				Apr. 28	38				
				May 19	55				
				Feb. 10	58				

District 50, UMW, does not plan any change in policies as a result of the death of President Lewis	Feb. 3	25	nance paints	Apr. 21	68	New Jersey court rules on Jefferson Lake dividend case	Mar. 10	102
Dow's Midland Division has new three-year contract	Mar. 24	89	Clarkson Laboratories moves into latex field	Feb. 3	62	Nitromethane tank-car explosion case - personal injury suits	May 19	161
Du Pont strike averted	Apr. 21	74	Highways program paves way for big sales growth for latex-modified cements	Jan. 13	42	Ontario druggists asked to withhold sales of chemicals to juveniles	Jan. 20	118
Du Ponters' wage goal	Feb. 10	34	Modified carboxylate nitrile latex for use in nonwoven fabric	Mar. 3	40	Oregon truck explosion suits	May 19	161
Du Pont's Belle Works rejects OCAW Elections - roundup	Mar. 3	30	Latin America - New free trade group to boost petrochemicals, specialties (table)	Mar. 10	22	Paint case: District Court signs consent judgement, enjoining S-W from fixing prices of Kem paint products	Jan. 20	108
Employee tax and earnings information to be reported on magnetic tape	May 26	66	Latin American Free Trade Assn. - New group to boost chemical trade (table)	Mar. 10	22	Phenol lawsuit in Italy poses threat for two U.S. projects (table)	June 16	43
Employment follows the pattern - Business Benchmarks	Mar. 31	30	Low	Apr. 14	23	Plant emissions suit against Wah Chang Polyethylene printing process patent jolts industry	Mar. 3	30
Employment takes a new drop - Business Benchmarks	Mar. 31	77	Aerosol shave-cream battle flares again	Feb. 10	5	Prednisone research case - court refuses scientist's petition	Apr. 7	27
European labor's new tough look - report (charts)	Feb. 24	80	Antibiotics certification - Laws are seldom temporary - Viewpoint	Mar. 10	23	Proctor & Gamble-Chlorox merger - conglomerate merger ruled unlawful	Mar. 17	36
FIPLO constitution	Mar. 31	33	Antibiotics trade secrets case	Apr. 14	23	Radiation damages awarded to eight	May 5	84
General Tire & Rubber strike over Germany's CPI sets up council to deal with union demands	Mar. 31	30	Cyanamid sues Robert Sharff and Biorganics	Jan. 27	32	Radioactivity controls tightened by Massachusetts agency	Jan. 6	77
Glass container industry contract stresses job security	June 16	74	Key witness appeals contempt of court charges	June 2	20	Randy Knitwear vs. Cyanamid in Cyana warranty case	Mar. 10	102
Humble Independents form new CPI labor union - FIPLO	Apr. 7	26	Former Lederle chemist testifies	Mar. 10	23	Salem, Ore. will by chlorine from Pennsalt Silver Purchase Act may be repealed	Apr. 14	35
ICWU officers involved in retirement contract hassle	Feb. 3	45	Appetite depressants case	Apr. 14	23	Sinclair sues for damages in wildcat strike	Feb. 10	32
ICAW's Mitchell named vice-president of AFL-CIO's IUD	Apr. 7	26	Aries-Merck case - British consultant testifies against Aries; Aries charges smear attempt	June 30	22	Stock fraud charges against Chemoil	Mar. 17	44
IFP will organize European chemical workers	Mar. 3	13	Arizona smog control suit	Jan. 27	32	Subcontractor sues Staley	Apr. 14	37
International Mine, Mill, and Smelter Workers Union - convictions reversed in non-Communist affidavits case	Apr. 7	26	Baltimore plant will discharge wastes into Curtis Bay	Apr. 7	27	Supreme Court to clear up "good-faith" defense in price discrimination case	May 5	17
Japanese trade unions merge to challenge leadership of Sohyo	Mar. 24	90	Bayer Aspirin may be sold in supermarkets	Mar. 17	43	Technician shortage - new bill aims at helping harried researchers	Mar. 10	81
Jurisdictional dispute settled by ADM, Girdler and Iron Workers local	May 26	40	Brazing alloys antitrust case - fines	Apr. 7	27	Traffic ticket processing saves court trip	Feb. 3	49
Keener, J. W., argues for curbs on unions	Apr. 7	26	California county outlaws glue sniffing	Apr. 14	23	Unauthorized practice of law injunction	Mar. 3	61
Kennedy speaks out Administration's wage-and-price restraint formula as aluminum industry starts negotiations (table)	June 9	55	Canadian engineer cleared of pirating sodium chlorate know-how from former employers	Apr. 21	75	Vanadium antitrust case: Supreme Court sends back for another trial	June 30	26
National Lead contract	May 19	41	Canadian sugar firms plead innocent to conspiracy charge	Mar. 17	43	Vanadium price-fixing suits upheld	Jan. 20	118
Nonferrous metals industry's early labor pacts may cause unexpected repercussions	June 16	48	Chloromycetin antibiotic malpractice suit	Mar. 10	36	Vermont to investigate calcium chloride bids	June 9	55
OCAW aims for higher pay target	Mar. 31	23	Congress considers proposal to create a Dept. of Science and Technology	Mar. 17	60	Vitamin B-12 patent case settled	May 26	28
OCAW charged with unfair labor practices	May 12	28	Kennedy opposes plan	Feb. 10	34	Vitamin B-12 smuggling case	May 26	28
OCAW loses Goodyear election	Apr. 21	74	Congress punches big holes in Kennedy's legislative program	Mar. 24	89	Washington pulp mill operators get federal cleanup order	Feb. 3	48
OCAW to hold nationwide bargaining for petroleum units	Mar. 24	90	County action	June 23	31	Waterway toll legislation draws CPI fire (map)	Jan. 20	33
OCAW victory at Extrudor Film	Apr. 7	26	Counterfeit drug distributor case	Apr. 14	37	Waterway toll legislation given 50-50 chance in Congress	Jan. 27	28
Pay hike at National Aniline	Apr. 7	26	Drug legislation	Apr. 14	37	Workers' compensation proposed for radiation injuries	Feb. 17	62
Penick's new wage pact	Apr. 7	26	Feb. 3-25, Feb. 10-31, Feb. 17-62, Mar. 17-60, Mar. 24-43, Apr. 21-44, May 12-45, May 26-17, 33, June 9-55	Mar. 3	68	Wyoming and Nebraska join to eradicate pollution in the North Platte River	Apr. 14	37
Poll tax payments encouraged by Texas firm	Mar. 3	30	Drug trademark suit over Perilate tablets	Feb. 10	17	Wyoming glass site search	Apr. 21	75
Polish workers in Carlsbad, N.M. on strike	Apr. 7	27	Drugs-by-mail threatened by Senate bill	May 5	17	Zoning okay given to hydrogen and oxygen plant in Philadelphia	Jan. 4	77
Profit sharing rings up ten-fold growth in five years (table)	June 9	18	Du Pont-GM case	May 5	17	Leaching - Countercurrent ore leaching process	Jan. 6	70
Profit sharing rings up ten-fold growth in five years (table)	Mar. 10	101	Tax relief bill	June 30	17	Lead		
Railway dispute	Mar. 10	17	Du Pont files divestiture proposal	Apr. 14	35	Canadian lead and zinc venture financed by Belgian firm	June 16	42
Kennedy sets up emergency board, strike off for 60 days	Mar. 17	35	La Buy issues final judgement	May 26	27	Prices	Feb. 17	126
Five operating unions disagree with work rule proposals	May 12	17	Civil suit filed to block divestiture	Apr. 14	35	Lead oxide - Prices	Feb. 17	126
Emergency board recommends settlement	May 26	17	Esso brandname suit	Apr. 14	35	Leasing		
Work rule talks resumed; wage dispute comes to head	June 2	17	Estes, Billie Sol, case may hurt Commercial Solvents	Apr. 14	23	Plasma spraying equipment leasing plan	Mar. 17	84
Wage dispute settled	June 16	35	Estes case: Commercial Solvents and Pennsalt brace for losses	June 9	26	Vehicle leasing wins favor as way to cut transport costs (charts & table)	Feb. 17	67
Safety record set by CPI	Mar. 31	30	Estes case: conflicting testimony on	June 23	22	Lettering compound for athletes' uniforms	Mar. 17	80
Settlements - roundup	Jan. 6-77, Mar. 17-74, Apr. 14-37, Apr. 28-49, May 5-84, May 12-28, June 2-54	66	Estes case: Commercial Solvents relationship stirs Congressional hearing	Feb. 3	49	Lights - Control panel lights	Mar. 17	110
Shell scientists sign new contract	Feb. 10	34	Fair trade gain for Abbott Laboratories	Apr. 7	27	Lignin sulfonates - Janzen process recovers lignosulfonate salts from spent sulfite liquor using leather scrap	Apr. 7	63
Sinclair sues for damages in wildcat strike	Feb. 10	32	Federal pay reform proposal	May 19	43	Lignite - Industrial gas from lignite coal - USBM process	Apr. 21	102
Spain's labor crisis is worsening	May 12	18	Jan. 13-32, Mar. 3-24, May 12-45	May 19	68	Time		
Spain - strikes spread throughout industry	May 26	38	FTC seeks right to issue temporary injunctions - Let's not bypass courts - Viewpoint	June 23	5	Natural-gas-fired vertical lime kilns up output 70%	Jan. 6	65
Standard work week favored for government construction contracts	May 19	158	FTC tries public hearing to get documents in St. Regis case	Jan. 11	87	U.S. contract awards for lime to stabilize roads hit record in '61	Feb. 17	140
Steel dispute	Feb. 3	17	Fish-killing stream pollution cases in Washington and Illinois	Feb. 10	32	Limestone - Photoelectric sorter upgrades cement plant feed	Apr. 21	88
Strike may be averted	Feb. 17	35	Fluoridation okay at Vancouver, Wash.	Mar. 17	74	Lithium - Three U.S. producers develop new product lines to offset lull in lithium sales - letter	Apr. 21	25
Negotiations underway	Mar. 10	17	Fluoridation o.k. for Jackson City, Tenn.	June 30	66	Livesay, P. Craig - Amoco's new president	May 19	13
Negotiations break down	Mar. 17	35	FDA bans further sales of Specifex	Mar. 31	45	London Rubber Technology Conference - Ethylene-propylene rubber advances reported	May 26	29
Negotiations to be resumed	Apr. 7	17	FDA seizes amphetamine tablets	Feb. 10	31	Louisiana - Lake Charles' Calcasieu Ship Channel widening sets off new round of CPI expansion (table & map)	May 12	26
Pact near	Mar. 17	73	Food, Drug and Cosmetic Act revision proposed	Apr. 21	43	Lubricants		
Stock purchase and savings plan at Merck	May 19	5	GAF sale is a step nearer reality	Mar. 3	30	Ball-and-roller-bearing lubricants report issued	Jan. 20	62
Texaco settles labor troubles	Apr. 14	5	Gladoli farmer claims damages in fluoride emissions case	Apr. 21	75	Ball-bearing mock-up determines best bearing arrangement and lubrication method for electric motors	Feb. 17	105
Three-party bargaining? - Viewpoint	Jan. 27	30	Hammermill Paper seeks approval to discharge wastes into Lake Erie	Mar. 10	36	Dry lubricant made from Teflon	June 16	135
Unemployment insurance reserves - paying for unemployment - Viewpoint	June 30	66	Health programs outlined by President	Apr. 7	27	Ferrofining process for finishing lube oils - cost data	Apr. 21	100
Unfair labor practices charge against Soho	Apr. 14	5	Heat sensitive papers patent case decision	Jan. 20	49	Gaseous and solid lubricants vie with a host of liquids for use under extreme condition: (table)	June 23	57
Union leaders outline primary goals for '62	Mar. 3	30	Kennedy proposes legislation on mass immunization, food and drugs, air pollution	June 9	55	Starch lubricant	Feb. 3	63
Union officers and members cannot be sued for damages in instances in which the union is liable	June 30	65	La Maur hairspray patent ruled invalid	Jan. 27	28			
Unions disclose millions in assets	Apr. 14	37	Louisiana water pollution suits	June 9	55			
UMW wins runoff election at Lucky Mc Uranium Co.	May 5	84	Loisville, Ky. residents file for damages in gas leakage accident	Jan. 27	28			
United Rubber Workers sued	Apr. 14	38	MCA records subpoenaed by antitrusters	June 23	43			
U.S. Gypsum salary hike	Mar. 10	102	Medicare bill opposed by drugmakers	Mar. 17	35			
U.S. Rubber wage hike	Jan. 6	77	Metal & Thermit merger question gets favorable court ruling	Mar. 17	74			
United Textile Workers rejected by two companies	Jan. 27	18	Mineral oil ruled unsafe for salad dressings	June 9	55			
West German CPI faces tough labor negotiations period	Feb. 10	28	Mississippi granted authority over use of radioactive materials	Feb. 3	49			
Workmen's compensation for radiation injuries - issue still unsettled	June 16	125	Mississippi oil field development case - royalty verdict	May 5	84			
Lactic acid - Food acidulants market (chart)	May 12	72	Mystik-Magic tape trademarks suit	Jan. 13	18			
Ladders - aluminum ladder folds into single rail	Feb. 17	43	National Lead charges Magnet Cove Barium with underground trespassing					
Lang, Charles E. - Armour's general manager must boost sagging sales								
Lasers see Masers								
Lotex								
Acrylic latex binder for paperboard called UCAR 40	May 19	146						
Acrylic-type latex for heavy-duty mainte-								

World production up in '61	May 19	138	Government issues new conflict-of-interest rules	Mar. 24	44	Mining - Hydraulic mining of anthracite	Jan. 13	39
Magnesium bisulfite - Leaching process recovers bisulfite from dolomite and brucite	June 30	40	Government scientists and engineers get pay raises	Jan. 20	50	Mixers - Automatic-analyzer mixer	May 26	69
Magnets - Superconducting magnets made of niobium-zirconium	Feb. 3	58	How to woo and win today's graduate students - report Percy Black (table)	Feb. 17	83	Modernization - Commerce Secretary Hodges approaches box makers with modernization plans	June 16	62
Maintenance			Incentive programs pay bonus in sales executive recruiting	Feb. 10	43	Mojave, Calif. - fertile spot for CPI growth?	Mar. 31	27
Ball-and-roller-bearing lubricants report issued	Jan. 20	62	MCA alerts students to CPI careers	Apr. 21	74	Molding		
Ball-bearing mock-up determines best bearing arrangement and lubrication method for electric motors	Feb. 17	105	Research manpower boost: aim of bill to finance technician training	Mar. 10	81	Carlton Products moves into plastics molding	Jan. 20	37
Computer-controlled plants put new demands on maintenance staffs	May 26	105	Salesmen - aptitude tests gain favor in CPI	Jan. 27	34	Silicone molding resins producer uses technical service task force to hike sales	June 30	37
Computer shifts maintenance cost variables, gives single cost figure	Feb. 3	73	Scientists' salaries are continuing to rise	May 5	61	Silicone rubber for use in making flexible molds	Jan. 20	69
Contract maintenance gains favor with CPI	Feb. 17	117	Survey questions theory that the best students make the best scientists	Mar. 3	24	Molecular Sieves		
Control unit keeps track of maintenance jobs and personnel	Feb. 3	77	Manufacturing Chemists' Assn.			Isosiv process for hydrocarbon separation	Apr. 21	100
Gulf Coast cold wave forces some CPI plant shutdowns	Jan. 27	40	Records subpoenaed in antitrust case	Jan. 27	28	Molecular sieves dry feedstock for petroleum alkylation units	Apr. 21	90
Programmed learning courses for maintenance men cut training costs (table)	Mar. 17	111	Report to AEC highlights new opportunity for chemical industry in atomic energy	June 23	18	Zeolon, new molecular sieve material	Apr. 7	68
Maleic anhydride			St. Louis meeting gives new lift to containerized shipping units	Mar. 17	46	Monomers - Water-soluble monomer	Jan. 6	74
Canadian maleic plant reactivated	May 5	72	Semple, Robert, says MCA supports Kennedy's trade bill	May 12	5	Monosodium glutamate		
Catalytic oxidation of crotonaldehyde is key to new maleic process	Apr. 7	58	Steel, Lincoln, speaks on British bid for EEC membership	June 16	39	Canadian firm charges Japanese with dumping	Jan. 13	78
Prices	Feb. 3	65	Symposium on the Packaging of Chemical Products announced	Jan. 13	83	Commercial Solvents spells out ambitious plans for MSG marketing	Apr. 28	81
Producers deny intention of bolting from business	Feb. 10	64	Masers			Hercules enters field with new fermentation process	Jan. 6	21
Maleic hydrazide - Canada considers tariff protection	Mar. 17	101	Calcium tungstate for optical maser use	Mar. 17	83	IMC joins firms changing over to fermentation route	Mar. 17	41
Management			Commercial lasers to be marketed by Hughes	May 12	80	Prices	Mar. 24	108
AMA probes cause and cure for outside corporate overhead	June 2	52	Continuous gas lasers go commercial	Mar. 31	57	Morocco		
Amoco's new president is P. Craig Livesay	May 26	29	Continuous solid-state maser emits visible light	Feb. 3	57	German Federal Republic will provide credit for Sali chemical complex projects	Jan. 20	59
Auctioneer's gavel raps profitable tune for companies selling plants	Feb. 17	46	Continuously operating solid-state optical maser	Jan. 6	49	Mill for making paper from alfa will be built at Berguett	May 19	58
Chemstrand sets up management information center	June 2	54	Dissociative excitation transfer may lead to a new family of gaseous lasers	June 30	45	Private capital sought for triple-superphosphate plant at Saffi	June 30	18
Corporate image building - CPI now demands proof of payoff	Apr. 7	25	Laser chemicals	May 26	69	Safi complex construction underway	May 12	117
Direct costing accounting wins new favor among CPI	Mar. 17	71	Laser developments highlight IRE meeting	Apr. 7	50	Safi complex scandal - Bloody but unbowed - Viewpoint	Jan. 27	5
Economists are playing bigger role in process company management	Apr. 28	62	Laser liquids doped with rare earths	May 5	41	Mortar - Latex mortar, Sarabond, field tested	Jan. 24	70
Essex Chemical's new management team	June 30	22	Market and technology study issued by TMI	June 2	63	Motels - 62,000 motels make hefty market for chemical specialties	Apr. 28	55
European labor's new tough look - report (charts)	Mar. 31	33	Materials Handling			Motors		
Foreign operations - Getting in shape to take on the world - report	Mar. 10	26	Bin activator empties solids from storage bins	May 12	101	Ball-bearing mock-up determines best bearing arrangement and lubrication method for electric motors	Feb. 17	105
GAP's new president is Jesse Werner	Jan. 6	28	Bin emptying device gets industry approval	Feb. 17	106	Compact motor line	May 5	41
Goodrich-Gulf - report A. J. Piombino (charts)	Apr. 14	48	Containerization bids for in-plant handling and storage jobs	Mar. 17	46	Motor actuator	Apr. 21	95
Gulf Coast cold wave forces management to study emergency procedures	Jan. 27	40	Moyno pump claim: "cheaper than pneumatics" for powders	Jan. 20	61	Motor mounts	Jan. 27	44
Hills, Robert C., key man in Freepor Sulphur diversification drive	Jan. 20	116	Pallets can be moved by floating them on air	June 30	46	Speed changer called Motoreducer	Feb. 17	110
Houston consultants use mathematics to help management solve complex problems of process plants	Apr. 28	77	Meat - Soy protein used to make synthetic meat	Jan. 6	49	Water-thin dc. motor	Mar. 3	39
How to Cut Your Reading Time - new film for executives	Mar. 3	30	Metals			N		
How to woo and win today's graduate students - report Percy Black (table)	Feb. 17	83	Chem-all, new dye-penetrant inspection kit finds defects in metals	Mar. 10	50	Naphthalene		
Incentive programs pay bonus in sales executive recruiting	Feb. 10	43	Coal-chemical-metal link-ups - new fad in diversification	Feb. 24	14	Capacity surge surge puts attention on prices	Feb. 17	125
Kirkpatrick Award - Leadership earns laurel - Behind the scenes	Mar. 3	5	Electrochemical process makes complex intermetallic compounds	Mar. 17	94	Hydroalkylation process details revealed by Sun Oil	May 26	50
Kirkpatrick Management Award for '62 - announcement	Feb. 24	39	Explosive cladding technique	June 9	67	Importers drop prices	Mar. 3	72
Lang, Charles, Armour's new general manager	Feb. 17	43	Honeycomb construction methods for refractory metals to be developed by Martin Marietta	Feb. 24	62	Market picture	Feb. 24	75
Martin Marietta's new Chemical Divisions headed by Matt Lecky	Feb. 3	22	Minor metals falter at marketplace in '61 (table)	Mar. 17	105	Output is increasing	May 19	128
Olin uses critical-path scheduling in moving headquarters from Baltimore to New York	June 9	51	Sylvania and Pechiney establish cross-licensing arrangement	Apr. 21	102	Petro-naphthalene starts to flood U.S. market (chart & tables)	Mar. 24	111
Ott, Arnold, reveals theories about starting and running a business	June 9	53	Methacrylates			Phthalic slack-off sparks free-for-all in naphthalene and xylene markets (tables)	June 2	60
Physical fitness program keeps management team in shape	Apr. 21	72	Cyanamid pushes methacrylate plastic sheets	June 30	22	Prices	Feb. 3	66
Planning coordinators help set and attain goals for CPI firms	Mar. 3	27	Escambia unit to be built in Gulf Coast area	June 30	17	Reichhold switches from coal-tar naphthalene to petronaphthalene for its phthalic operations	Jan. 6	50
Profit sharing rings up ten-fold growth in five years (table)	Mar. 10	101	Methanol - Yugoslavia's first plant onstream	Apr. 21	56	U.S. capacity up 42 millions lbs./year	Mar. 17	102
Push for new products - report	Feb. 3	29	Methoxyfluorane - Penthrane methoxyfluorane, new anesthetic bids for work now done by diethyl ether	Mar. 24	81	National Aeronautics and Space Administration		
Solar Chemical makes fast recovery after '61 disaster	Mar. 31	47	Methyl bromide - Supply-demand picture (chart & tables)	Mar. 3	75	Crystal nucleation studies	Feb. 10	39
Stock buying by chemical company insiders - survey	June 23	25	Methyl carbanate - New process involves reaction of methyl, ethyl and propyl alkanols with urea	Mar. 17	96	Liquid hydrogen contract with Linde covers seven-year period	June 16	42
Stock purchase and savings plan at Merck	Mar. 17	73	Methyl chloride - Prices	June 16	119	Patent regulation hearings over	Feb. 10	28
Stockholders confused by jargon in annual reports	Mar. 3	28	Methyl glucoside			Single-source system will be used in awarding contracts	Feb. 3	26
Stockholder meetings - management finds that well planned meetings pay off	May 26	61	Com Products develops new family for use in urethane foams	June 2	50	National Assn. of Accountants - Direct costing discussed at New York meeting	Mar. 17	71
Unilever tells some details of its corporate structure	May 19	58	Prices	Jan. 6	60	National Assn. of Credit Management - 66th annual Credit Congress	June 2	32
Manganese			Urethanes boost glucoside processes: (1) dextrose to methyl glucoside, (2) methyl glucoside to polyethers	June 23	89	National Association of Purchasing Agents - Combined meeting with SAACI	Jan. 20	40
American Potash & Chemical enters field	Jan. 6	60	Methylene chloride - Outlook brightens as price boost sticks (chart & tables)	Apr. 14	101	National Bureau of Standards - Reorganizes division of organic and fibrous materials	Mar. 17	60
Electrolytic manganese price cuts reflect increased capacity	Apr. 28	81	Mexico			National Cancer Institute - Evaluation of chemotherapeutic agents used for treating cancer	Feb. 17	148
Titanium cathodes in electrolytic production of manganese in experimental stage	Feb. 17	99	Government takes steps to promote industrial research	May 5	66	National Constructors Assn. - Labor contract	Apr. 28	70
Manpower, technical			Heavy industry will be coordinated through a new centralized government agency	Mar. 24	68	National Electrical Manufacturers Assn. - '62 business forecast	Jan. 13	70
Defense Dept. scientist, Marvin Stern, accepts job with private industry	Mar. 31	23	Nylon-6 ventures	Feb. 17	45	National Industrial Conference Board		
Employment of scientists and engineers up	Feb. 24	58	Petrochemical complex will be backed by Italian, Panamanian and local interests	June 16	74	San Francisco meeting highlights developments in aerospace and construction	Mar. 24	17
Engineer shortage - make engineering attractive - Viewpoint	Apr. 7	5	Socialism denied, welcome mat still out for U.S. investors	Apr. 28	35	Survey shows CPI products set growth pace in past decade (chart)	Jan. 20	37
Engineers' enrollments study	May 12	9	Microcircuits			National Paint, Varnish and Lacquer Assn. - Executives and government officials to confer at "Summer Summit" conference	May 26	90
Engineers' creativity of chemical engineers to be discussed at AICE meeting	Feb. 24	19	Microcircuits: key to shrinking world of electronics	Mar. 3	55	National Petroleum Refiners Assn. - Ferrofiling and IsoSiv processes detailed at San Antonio meeting	Apr. 21	100
Engineers' salaries up	Apr. 21	82	Microminiature electronic circuits go commercial	Mar. 17	84	National Science Foundation		
Federal pay reform proposal	May 19	43	Milk - Foam-drying milk process	Apr. 21	105	Manpower survey	Feb. 24	58
			Minerals			Regional technical report centers set up	May 5	66
			Electrostatic ore separator bypasses flotation and chemical processes	Apr. 21	102	National Stock Exchange - Smaller chemical firms will be welcomed on new mart	Mar. 17	43
			Russian mineral trade developing at rapid pace	Apr. 28	31	Natural Gas - Natural gas-from-coal research project	June 2	44

Netherlands			Pakistan			Petrochemicals		
Dutch chemical makers expand NVCP, gird for Common Market tariff	Feb. 10	75	Curtain coaters vie for automatic painter markets	Feb. 17	75	Bulgaria plans petrochemicals production..	Mar. 17	54
Rotterdam: epitome of European distribution's new look	June 23	35	District Court signs consent judgment enjoining Sherwin-Williams from fixing prices of Kem paint products	Jan. 20	108	Chicago's petrochemical future shapes up (map)	Mar. 24	21
War settlements with German government	June 2	34	Executives and government officials to confer at NPVLA conference	May 26	90	Geismar, La. may lose out as a site for proposed complex	Mar. 24	17
New Jersey			Heavy-duty, air-drying maintenance paints	Apr. 14	83	Japanese petrochemical center throws polyethylene into oversupply	June 16	67
Governor Hughes addresses CPI on tax equity and aid to education	Feb. 3	46	Insecticide paints called KII-Sect	Apr. 7	68	Oil buys in - report (charts)	Mar. 24	25
New CPI buildup in New Jersey (table)	Mar. 24	87	Mary Carter paints bright future for company	Feb. 24	66	"Spaghetti bowl" pipeline complex continues to lure CPI (chart & map)	June 16	45
Nickel			Oil-base paints to be produced by National Gypsum	June 23	18	Spain cuts user tax on petrochemical raw materials	Mar. 3	20
Cula's Moa Bay plant reportedly being repaired by Russians	Mar. 31	57	Primer-enamel called Desoguard	Feb. 24	68	Petroleum		
Five cent coins made from pure nickel powder	Jan. 27	60	Silicone paint prospects brighten with new low prices	May 5	53	Athabasca oil sands development - three firms submit applications	June 30	22
Nitrates - Continuous nitration process makes organic nitrates	May 5	61	U.S. paintmakers expand abroad and at home	Apr. 14	66	Catalyst-cleaning processes, Met-X and DeMet, remove metal contaminants	May 26	46
Nitric acid - German process is self-sufficient in energy	Mar. 10	69	Water-thinned linseed oil paint	Mar. 10	50	Crude oil processing innovations	Jan. 13	39
Nitrogen			Paper			Engineering design data book being prepared	May 26	52
North Carolina nitrogen project launched (map)	June 16	41	Fertilizer purchase plans	Feb. 24	17	Ethylene from crude oil processes get a boost	Apr. 14	83
Outlook for '62	Apr. 7	84	Soda ash project gets Japanese financing	Mar. 10	25	Ethylene-from-crude-oil processors eye European needs (chart)	Apr. 28	95
North Carolina			Panama - Second Panama Canal considered	May 19	72	Ferrofining process for finishing lubricating oils - cost data	Apr. 21	100
Fertilizer industry heads for upswing; huge nitrogen project launched, three firms bid for phosphate rights (map)	June 16	41	Particleboard			Industry reports show '61 was fair year, but a rousing finish (charts)	Jan. 6	56
Phosphate bids: one approved, two rejected	June 23	17	Market boom for particleboard brightens outlook for resin binders (chart)	Mar. 31	71	Liquefied petroleum gas in '61: slow start, but a rousing finish (charts)	Jan. 13	45
Phosphate deposits - lease arrangement	Apr. 14	25	U.S. producers get full protection from imports	June 2	23	Magna Products moves to boost sales to oil industry	Mar. 24	25
Phosphate development plans meet with opposition from local residents	June 9	26	Patents			Oil buys in - report (charts)	May 26	7
Phosphate exploration financing	Mar. 17	74	Aries, R.S., charges Merck with poultry coccidiosis patent infringement	Mar. 10	24	Outlook for '62	Mar. 31	13
Phosphate prospecting comes into focus (map)	May 19	46	Delrin vs. Celcon - new patent ignites battle for polyacetal resin dominance (table)	Apr. 7	20	Sand-control agent called Permatrol	June 23	93
Nylon			Du Pont's Traver polyethylene film license rates	May 5	84	Secondary oil recovery chemicals	May 12	71
Caprolactam process and two patents on cyclohexanone oxidation are latest offshoots of nylon research	June 9	74	Government-owned patents abstracted	May 26	34	Phenol		
Denam and nudes capacity (tables)	June 23	81	Government patent policy study recommended by McClellan subcommittee	May 26	33	Direct-oxidation route to be used by Monsanto	June 2	50
Recovery of nylon from automobile tires may not be far off	Apr. 21	107	Government research patent policy - Needed: incentive to invent - Viewpoint	Jan. 20	5	Hooker's modified Raschig process licensed to two Japanese firms	June 9	67
Ski slope simulated by nylon carpet	Jan. 27	58	Government sponsored research - who should own patents? - Viewpoint	Feb. 24	5	Phenol-from-cumene plants involved in process conflict (table)	June 16	43
Ohio River Valley - CPI works for Ohio Valley bootstrap plan			Government-wide patent policy in the making	Apr. 21	44	Prices	Feb. 3	66
Mineral oil ruled unsafe as food additive	Mar. 17	74	Japan rules against Du Pont in polyacetal process case	June 23	18	Producer lineup grows as two firms license Unisur cumene oxidation process	Feb. 3	20
Partially hydrogenated shortenings are effective in reducing cholesterol levels	May 12	79	Metering-aerosol-bottle patent squabble	May 19	36	Pharmaceutical Manufacturers Assn. - Color test program to be financed by drug industry	Mar. 31	43
Tall oil fractionation process developed by papemaking	June 16	42	Monosodium glutamate patent suit	Mar. 10	102	Phosphates		
Olefins			NASA patent regulation hearings over	Feb. 10	28	African phosphates venture	Feb. 17	41
Alfene alpha-olefins plant being built by Conoco	May 19	99	Patent Office eyes changes	Feb. 24	15	Australian phosphate deposits discovered	Apr. 21	56
Gulf Oil may join normal alpha olefins	June 2	49	Patent Office modernization and mechanization proposed	Feb. 17	61	Canadian firm doubles ammonium phosphate capacity, aims at western Canada and U.S. markets	May 12	22
Organic Chemicals			Phenol-from-cumene process conflict	June 16	43	Jordan to open bids on phosphate project	June 2	34
Electrochemical processing tool promises lower-cost organics	May 19	85	Photocopying patent suits	June 9	27	Mimosa ammonium phosphate plant tries three-phase pollution control system	May 12	98
Trade program proposes elimination of tariffs on organic chemicals	Mar. 10	35	Polyester patent fight	Apr. 21	23	North Carolina appropriates \$10,000 for exploration of Beaufort County deposits	Mar. 17	74
Oxygen			Polyethylene film printing process patent joists industry	Mar. 3	19	North Carolina approves lease arrangement for mining phosphate deposits	Apr. 14	25
Cement manufacturer uses oxygen in kilns	May 26	81	Polypropylene patent feud rages between Italy's Natta and Eastman's Coover	Jan. 27	25	North Carolina phosphate bids: one approved, two rejected	June 23	17
Intermittent oxygen enrichment of blast furnaces pays off	June 9	68	Reorganization of patent procedures recommended to reduce backlog of pending applications	Apr. 21	44	North Carolina phosphate prospecting comes into focus (map)	May 19	46
Outlook for '62	Apr. 7	84	Russia embarks on new patent policy	Mar. 24	82	North Carolina phosphate race shapes up as three firms submit bids (map)	June 16	41
Oxygen lancing - New York steel firm applies for permit to use process	Apr. 28	67	Russia may start paying for use of U.S. patents	Feb. 24	16	North Carolina residents oppose phosphate development plans	June 9	26
Packaging			Unauthorized practice of law injunction against Battelle has been lifted	Mar. 3	61	Phosphalizer, Fosbond 75, for treating steel surfaces	June 2	63
Bottle wadding tests boost cellophane	Jan. 13	83	Urethane foam patent case decision	Apr. 7	17	Prices	May 5	71
Cold-sealing flexible packaging material eliminates need for heat-seal and glue equipment	Apr. 14	74	Urethane foam and polycarbonate patent rulings stir the plastics pot	Apr. 14	21	Starch phosphates - foreign licensees sought	Apr. 28	73
Dow Chemical strengthens position in packaging field	Mar. 17	48	Urethane foam and polycarbonate patent rulings stir the plastics pot	Apr. 14	21	U.S. producers discount price cutting reports	Jan. 20	88
Glass carboys are packed in lightweight wirebound wooden boxes fitted with polystyrene pads	June 9	82	Urethane patent controversy: General Tire issues several licenses, Mobay seeks patent coverage on claims not covered by ruling	June 30	17	Phosphoric acid		
High-density polyethylene gains in drug products packaging field	Mar. 31	45	Vitamin B-12 patent suit settled	May 26	28	Crystalline phosphoric acid	Mar. 24	97
MCA packaging symposium announced	Jan. 13	83	Pavement - Latex makers put new push behind modified cements for paving	Jan. 13	42	Japanese phosphoric acid process details revealed in South African patent application	June 23	90
Multiwall package called Carry-Ease Side-Handle bag	June 2	30	Penicillin			Photocopying - Patent suits	June 9	27
Olin's Packaging Division will make corrugated packages with foamed inserts	May 19	72	Prostaphlin, new staph-fighter goes on the market	Feb. 17	148	Photoelectric sorter upgrades cement plant feed	Apr. 21	88
Piggyback packages for two-part products	June 16	135	Squibb licenses Bristol's oral staph-fighting penicillin	May 19	99	Photography - Electrostatic developments highlight ACS meeting	Mar. 31	64
Plastic film makers call for better packaging equipment - letter	Feb. 17	16	Pennsylvania State University - Preparing engineering design data book for API	May 26	52	Photosynthesis simplifies conversion of cyclohexane into caprolactam	Mar. 24	77
Senator Hart takes aim at misleading packaging practices	June 16	42	Pentoerythritol			Phthalic anhydride		
Packing - Panapak tower packing used in Ingram waste treating process	Mar. 17	89	Price cut will help producers hold markets (chart & table)	Apr. 7	81	Canadian producer closes plant	Mar. 31	67
Points			Peracetic acid - Hydrogen peroxide-from-peracetic acid process debuts	May 5	72	Canadian producer goes after all phthalic business	Apr. 7	75
Acrylic-type latex for heavy-duty maintenance paints	Apr. 21	68	Perchlorates - Foote Mineral wants to pull out of perchlorates	Apr. 21	17	Market picture	Feb. 24	76
Anticondensation paint	May 19	144	Perfluorobenzene			Prices	May 19-28	95
British organizations unite	June 2	34	Sperry develops new hexafluorobenzene process	Jan. 6	49	Production lag sparks free-for-all in naphthalene and xylene markets (tables)	June 2	60
Celcon acetal copolymers paint system	May 19	149	Sperry negotiates with unidentified firm for perfluorobenzene production	June 30	46	Stepan changes site of proposed plant from Puerto Rico to Milledale, Ill.	Mar. 3	13
ConChenCo moves into ranks of top ten paint firms	May 12	22	Perfumes - Revlon's German subsidiary adds perfumes	Mar. 17	68	a-Picoline - Prices	Mar. 24	108
Conductive paint for repairing printed circuits	Apr. 7	68	Peroxide - Hercules develops new peroxide	June 16	56	Cadmium pigments	Jan. 6	74
			Peru - Zinc refinery with complementary sulfuric acid and superphosphate production planned	June 16	74	Fine particle-size hydrated alumina pigment	Apr. 14	80
						Food-grade pigment	Apr. 28	41
						Maroon shade pigment	Feb. 24	68
						Pilot Plants - Fertilizer pilot plant will handle competitive processes	June 16	84
						Piping		
						ABS plastic piping approved for use in residential housing	Jan. 6	57
						Asbestos-cement pipe makers charged with price-fixing	June 9	32
						Epoxy-lined asbestos-cement pipe	June 16	136
						Pipeline simulator	Mar. 3	39

Plastic pipe design-stress-rating system and uniform standards method.....	Mar. 17	117	Testing methods revamped, boost plastic linings.....	May 5	47	Olefin copolymer developments highlight ACS meeting.....	Mar. 31	64
Polyvinyl chloride conduit may account for 25% of plastic pipe markets.....	June 9	81	Wasserman Development aims to create plastics products for building industry.....	Mar. 10	22	Polar polymers for chromatography research.....	Apr. 14	79
Polyvinyl chloride electrical conduit approved for above-ground use.....	June 2	58	Plating - Gold-coated steel process.....	Apr. 21	105	Polyallomers - Eastman compares properties with other crystalline polyolefin plastics (table).....	Mar. 31	62
Solids pipeline considered for Alberta, Canada area.....	May 5	59	Poland.....	May 26	40	Polyallomers - latest addition to polymer lexicon and product line.....	Jan. 13	65
"Spaghetti bowl" petrochemical pipeline complex continues to lure CPI (chart & map).....	June 16	45	Chemical industry output goals.....	Jan. 20	38	Polyallomers - new light on mystery polymers.....	Jan. 20	111
Stainless-steel liner cuts cost of corrosion-resistant process piping (table).....	Apr. 7	71	Sulfur production.....	Jan. 20	38	Polyethylene copolymer process.....	Apr. 28	101
- letter.....	May 5	7	Poliomyelitis - Canadian biologicals producer aims for "first" in oral polio vaccine.....	Feb. 3	61	Vinyl chloride-vinyl acetate copolymers coming.....	May 5	24
Stainless steel pipe and tube forms for sulfuric acid solutions.....	Mar. 10	49	Polishes.....	Jan. 20	103	Water-soluble copolymer, Gantrez AN-prices.....	Apr. 21	107
USBM awards contract for glass-fiber wrapping for helium pipeline.....	Feb. 10	64	Alkali-soluble resins bid for bigger piece of polish business.....	Mar. 3	45	Water-stable organosilicone copolymers debut.....	Mar. 17	65
Plant Engineering and Maintenance Conference - Computer's new role in maintenance discussed at annual meeting.....	Feb. 3	73	Floor cleaner-polisher called One-Step Floor Care.....	Mar. 3	40	Polyurethanes - Research quantities available.....	June 16	135
Plant Location			Rare-earth oxide glass polishes venture.....	Jan. 13	38	Polypropylene		
Boston's specialties makers help put region on comeback trail.....	Mar. 10	55	Politics - CPI preaching practical politics in the plant - letter.....	Jan. 20	24	CalChem is newest polypropylene producer.....	Jan. 6	27
Chicago's petrochemical future shapes up (map).....	Mar. 24	21	Polyallomers			Dyeable polypropylene fiber..... Jan. 20-70	Jan. 27	25
Geismar, La. may lose out as site for proposed petrochemicals complex.....	Mar. 24	17	Eastman compares properties of polyallomers with other crystalline polyolefin plastics (table).....	Mar. 31	62	Dyeing process claimed by Japanese firms.....	Apr. 7	64
Lake Charles' Calcasieu Ship Channel widening sets off new round of CPI expansion (table & map).....	May 12	26	Polyallomers debut..... Jan. 13-65	Jan. 20	111	Dyes for polypropylene fibers from Allied.....	June 9	67
Mojave, Calif.: fertile spot for CPI growth? New Jersey - biggest chemical state - gets new boost from dehydrator port improvements (table).....	Mar. 31	27	Tenite polyallomer price cut.....	Apr. 14	109	Film use gains.....	Apr. 21	123
Railroads dangle new lures before chemical plant site seekers (table & map).....	May 19	153	Polybutenes - Improved polybutenes line.....	May 26	69	Heat-resistant polypropylenes.....	Mar. 3	62
Surplus land yields cash crop for CPI.....	Apr. 21	71	Polycarbonates			Hercules is first to make resin, fiber, molding powders, and film.....	Feb. 3	18
Texas Gulf "spaghetti bowl" continues to lure CPI (chart & map).....	June 16	45	Patent ruling assigns ownership rights to Bayer.....	Apr. 14	21	Italian-U.S. patent feud involves "isotactic" and "syndiotactic" claims.....	Jan. 27	25
Waterway extensions open new sites to CPI (map).....	Apr. 14	24	Price cut may open door to new sales (chart & table).....	Feb. 3	69	Liquid polypropylene series.....	Feb. 10-53, 64	
Wyoming glass site search.....	Apr. 21	75	- letter.....	Mar. 17	9	Monsanto becomes eighth U.S. producer.....	Mar. 17	42
Plants			Prices.....	Jan. 6	60	Reselling efforts cut by Allied.....	June 2	18
Auctioneer's gavel raps profitable tune for companies selling plants.....	Feb. 17	46	Polyesters			Reselling loses luster as gambit for getting into polypropylene market (table).....	June 9	45
Capital spending for plants and equipment - MCA's 1961 survey (table).....	May 5	24	Coating system using THPAAs offers high quality finish and production shortcuts.....	Jan. 13	41	Reselling pact joins CalChem and Avulon.....	May 19	44
Houston consultants use mathematics to solve complex problems of process plants.....	Apr. 28	77	Patent fight involves GE and Beck.....	Apr. 21	23	Reall will build plant in Texas.....	June 23	78
Qlin uses critical-path scheduling in moving headquarters from Baltimore to New York.....	June 9	51	Polyester fibers and films brighten glycol outlook (chart & table).....	May 26	99	Yarn called Merakron for use in marine netting.....		
Plasma-arc gun qualifies for plastic spraying jobs.....	Apr. 14	115	Polyester resins newcomer at Hawthorne, Calif. - letter.....	May 5	54	Polystyrene		
Plastic Film			- letter.....	May 26	7	Euromart tariff hike on polystyrene will have small impact on U.S. producers (charts).....	June 30	57
Du Pont films to be marketed by Crown Zellerbach in western Canada.....	Mar. 17	48	Polyethers			"Price war" reflects overcapacity problems (chart & table).....	Feb. 10	69
Low-density polyethylenes improve clarity and sparkle of films made by blow-tubular process.....	Jan. 6	50	Actol 32-160, new polyether is key to supersoft flexible urethane foam.....	June 2	50	U.S. producers discount rumors about prices.....	Jan. 20	88
Saran (vinylidene chloride polymer) coating film outlook.....	June 2	57	Methyl glucoside converted into polyethers for use in urethanes.....	June 23	89	Polyvinyl - Lettering compound for athletes' uniforms.....	Mar. 17	80
Water-soluble potato starch film nears commercial debut - letter.....	Jan. 13	7	Polyether urethane foam patent ruling assigns ownership rights to General Tire.....	Apr. 14	21	Polyvinyl chloride		
Plasticizers			Polyether urethane patent controversy: General Tire issues licenses, Mobay seeks patent coverage on claims not covered by ruling.....	June 30	17	Howe Sound enters rigid vinyl panels field with new continuous sheet extrusion and corrugation process..... Mar. 3-62	Mar. 10	69
Monsanto-AMSCO plasticizer marketing agreement.....	Jan. 27	25	Polyethylene			PVC conduit creates new market for resin PVC electrical conduit approved for aboveground use.....	June 2	58
Phthalate plasticizer price hike in Britain.....	June 9	40	Coating for polyethylene, Plathcote UT.....	Feb. 17	100	PVC packaging film prices.....	May 19	128
Phthalate plasticizers - prices.....	Feb. 10	63	Competition stiffens as Rexall-EI Paso joint venture opens into full operation.....	Feb. 17	44	Polyvinylpyrrolidone - La Maur hairspray patent ruled invalid.....	Mar. 3	47
Plasticizer is key to technique for improving oil pipe production.....	Mar. 31	53	Du Pont of Canada's new PE process yields wide density range of resin.....	Mar. 17	91	Potash		
Polyvinyl chloride plasticizer.....	May 19	149	Du Pont's Traver polyethylene film license rates.....	May 5	84	Canadian potash won't make big market impact in '62.....	May 12	107
Rubber plasticizer.....	Jan. 6	74	Enjay Chemical is now marketing polyethylene.....	Apr. 7	76	Domestic deliveries and exports for '61.....	Mar. 10	90
Vinyl plasticizer, di-2-ethylhexyl isophthalate, price boost.....	June 23	77	Euromart tariff hike on PE will have small impact on U.S. plastics (charts).....	June 30	57	IMC's Saskatchewan plant will process first ore.....	June 9	68
Plastics			Exports drop, domestic demand will take up slack (chart & tables).....	May 19	133	IMC shifts from co-operative to independent potash exporting.....	Jan. 27	107
ABS plastic piping approved for use in residential housing.....	Jan. 6	59	France rescinds antidumping tax.....	Feb. 17	36	Saskatchewan - firms probe area for potash (map).....	June 23	24
- letter.....	Feb. 3	7	High-density polyethylene gains in drug products packaging field.....	Mar. 31	45	Southwest producers hire nonstrikers, ease threat of potash shortage.....	June 30	54
ABS use by auto industry up.....	Apr. 17	136	Japan searches for overseas markets for surplus PE.....	June 16	67	Utah potash prospecting activities.....	Feb. 10	24
Arc-extinguishing thermoplastic is key to new fuse tube.....	Apr. 14	125	Low-density polyethylenes improve clarity and sparkle of films made by blow-tubular process.....	Jan. 6	59	World potash expansions.....	Apr. 7	21
Atlantic Refining diversifies into plastics: Boats - plastics and aluminum vie for control of market.....	Jan. 20	41	Pipe-grade polyethylene resin prices.....	Mar. 3	71	Potash Export Assn. - IMC withdraws from group.....	Jan. 27	24
British plastics makers are optimistic about future.....	Jan. 20	38	Polyethylene encapsulation of individual fibers - research.....	June 2	49	Potassium - Truck shipping restrictions removed.....	Feb. 3	40
Electrostatic spray gun applies plastic coatings.....	June 2	65	Prices..... Jan. 6-60, Jan. 13-77	May 19	127	Powder Metallurgy		
European plastics - report, A.L. Griff (charts & tables).....	May 12	47	Printing process - high-voltage spark gives ink a grip - Dimension.....	Mar. 3	19	Advances contribute to sharp growth in applications of powder metallurgy.....	May 5	59
- letters..... June 16-6	June 30	7	Printing process patent jolts industry.....	Mar. 3	19	Du Pont develops new powder metallurgy process.....	June 23	63
Flame retardant plastics research drive.....	Feb. 10	37	Shipping of polyethylene by bulk trucks.....	Feb. 24	48	Five cent coins made from pure nickel powder.....	Jan. 27	60
German plastics slow.....	Feb. 10	76	Slow-burning, high-density polyethylene.....	Feb. 24	62	1961 is record year for powder metals.....	Apr. 28	88
Haveg will make plastic cups, disposable plastic dishes and drum liners.....	May 5	24	U.S. firms boost overseas prices.....	Feb. 10	63	Supero process for molybdenum and tungsten powders.....	Feb. 3	54
Howe Sound enters plastics building market..... Mar. 3-62	Mar. 10	69	Vertical integration: key to PE profits? (table).....	May 5	31	TD nickel alloy produced by new process that combines colloidal chemistry and powder metallurgy (charts).....	June 30	49
Methacrylate plastic sheet expansion planned by Cyanamid.....	Mar. 30	22	Wax additive called Epolene C-101.....	May 19	150	Powders - Moyno pump claim: cheaper than pneumatics for powders.....	Jan. 20	61
Molding technique for plastics fabrication Outlook for '62 is optimistic.....	Apr. 14	28	Polyformaldehyde - Delrin vs. Celcon - new patent ignites battle for polyacetal resin dominance (table).....	Apr. 7	20	Power		
Piping design-stress-rating system and uniform standards method adopted.....	Jan. 13	17	Polyisoprene - Capacity up, competition with natural rubber will get rough.....	June 9	81	Implant power systems evaluated at API meeting.....	June 2	67
Plasma-arc gun qualifies for plastic spraying jobs.....	Apr. 14	115	Polymerization			Fixed tag: power, textiles, steel - Business Benchmarks.....	Apr. 28	102
Reinforced plastic tankers gain favor with CPI shippers.....	Apr. 14	95	Caprolactam polymerization.....	Mar. 17	94	Power jump sets a new record - Business Benchmarks.....	Jan. 27	64
Reinforced-plastics demand is back on growth curve (chart & table).....	Mar. 10	95	Ionic, stereospecific, and solid-state polymerization discussed at man-made fibers congress.....	June 16	55	Solid-state stand-by power supply.....	Mar. 24	97
Reinforced plastics may cut equipment costs.....	Feb. 17	99	Polymers			Warm spring jobs electric output - Business Benchmarks.....	June 9	98
Russian plastics industry as seen by U.S. repatriate Robert Webster.....	June 23	19	Cationic polymer, Reten, for napermak, sewage treatment, minerals beneficiation in Europe.....	May 5	42	Pressure Vessels		
Spray gun.....	Jan. 20	108	Celcon acetate copolymer resins venture.....	Jan. 27	24	Aluminum and glass fiber pressure vessels are feasible.....	May 12	80
			Du Pont develops ethylene-propylene polymer.....	Apr. 7	17	Pressure vessel code changes will lower cost of 9% nickel steel.....	May 5	51
			Celcon paint system.....	May 19	149	Prices		
			Ethylene-acrylate copolymer properties pinpointed.....	Feb. 3	58	Administered pricing booster - Viewpoint - letters..... May 19-14	May 5	5
			Ethylene copolymer vulcanization with dicumyl peroxide.....	Apr. 21	105	Administration's views on federal intervention in prices.....	June 23	7
			Flame-retardant polymers research push.....	Feb. 10	37		May 12	45

CPI sizes up battle between Kennedy and 'Big Steel' over price increase	Apr. 21	21	Radioactivity	Area technique for fighting radioactive fire prevents spread of radiation	Jan. 13	69	Government considers establishment of research institutes	June 9	32
Earnings dip blamed on price weakness (charts)	May 5	23	Massachusetts tightens controls over radioactive materials	Jan. 6	77	Government research procurement policy survey	Apr. 28	32	
Electrical equipment makers pressured by CPI and antitrusters	Jan. 13	70	Monsanto offers radioactive sources	Mar. 3	39	Inorganic foams: clearing the cost barrier? Japanese emphasis on research pays off in a spurt of licensing contracts	Apr. 28	42	
Electrical equipment makers take careful pricing course	Jan. 6	76	Radioisotopes - Low-cost isotopes	Apr. 14	79	Laser technology study	Mar. 24	68	
The human factor - letter	Jan. 20	27	Radios - Pushbutton radio	June 2	63	Lubricant research spawns new extreme-condition lubes (table)	May 19	50	
Kefauver drug investigations may be losing momentum	Jan. 20	36	Railroads			Man-made fibers congress takes a look at basic scientific trends	June 23	57	
Price indexes ride on new base - Business Benchmarks	Jan. 20	36	CPI optimistic about rail transport outlook (chart & table)	June 9	23	Merck will reach a new high for research spending	June 16	55	
Prices lag economy's growth pace - Business Benchmarks	May 5	88	Compact freight car debuts	Mar. 10	44	Mexico and Canada take steps to promote industrial research	Mar. 24	17	
Pricing: time for self-control - Viewpoint	Mar. 10	106	ICC rejects railroads application to buy barge line	Mar. 24	44	Microcircuits: big challenge for chemicals	May 5	66	
Russians slash prices in possible bid for trade (table)	May 26	5	Railroads: needed ally for CPI - Viewpoint	Mar. 17	5	Multiclient research studies gain favor with CPI (table)	Mar. 3	55	
Solid sales spur price gains - Business Benchmarks	Mar. 3	17	Rails try new ball for plant site-seekers (table & map)	May 19	153	Patent policy on federal research must give incentive to industry - Viewpoint	May 26	73	
Why talk about prices? - Viewpoint	May 26	112	Rare Earths			Polyallomers-Eastman compares properties with other crystalline polyolefin plastics (table)	Jan. 20	5	
Printed Circuits - Conductive paint for repairing printed circuits	Mar. 24	5	Cracking catalyst, Durabead 5, incorporates a rare earth	Apr. 7-63	45	Polyallomers - new light on mystery polymers	Mar. 31	62	
Pricing: time for self-control - Viewpoint	Apr. 7	68	Grace, Molybdenum Corp. join in rare-earth polishing compound venture	Jan. 13	38	Product development - Push for new products - report	Jan. 20	111	
Printing - Electrofax process to be used on metals in the graphic arts field	Mar. 3	61	Rare-earth fluorides	Mar. 3	39	Product R&D moves into the plant	Feb. 3	29	
Propellants	May 5	61	Rare elements added to metallurgical mixes by new method	Mar. 17	94	Radiation processing of cellulose gets bytroat (table)	May 5	65	
Air Force will develop 120-in.-diameter solid-fueled booster	Feb. 3	26	Rayon			Radiation-resistant materials research (table)	June 16	53	
Beryllium as an ingredient for solid and liquid rocket fuels	June 16	92	Enka president predicts big increase in U.S. rayon consumption	Feb. 3	20	Regional centers will handle government's technical reports	June 9	93	
Carbide reports on rocket propellants work	Mar. 17	54	Yugoslavia plans two new plants	Mar. 17	54	Research budgets up in '61 - CW tabulation of 77 companies (tables)	May 5	66	
Civilian space budget	Jan. 27	27	Reactors			Research budgets up in '62 (table)	Apr. 7	22	
Hydrocarbon-fluorocarbon propellant blend for perfume aerosols	May 26	81	AEC asked to raise aims of Civilian Power Reactor Program	Apr. 21	81	Research and development budgets up 7% for '62 (table)	Apr. 28	28	
Solid and liquid propellants bulk large in '62 rocket programs (table)	Mar. 10	24	AEC launches program to develop nuclear power source for ion propulsion	June 16	79	Salk Institute for Biological Studies set up	June 9	94	
Solid-fuel booster - Congress wants more money for NASA budget	Jan. 13	25	Carbon black reactor is key to improved yields, wide product mix (chart & table)	Feb. 17	62	Spandex fiber and high-temperature-resistant fibers draw industry eye	Mar. 31	61	
Solids rocket ahead in race for military propellant business (table)	Apr. 7	30	Civilian nuclear power reactor prospects dim	Jan. 20	50	Technician shortage - new bill aims at helping harried researchers	Mar. 10	81	
Vinyl chloride propellant blend called Ucon	June 30	19	Construction funds mixed by Budget Bureau for fiscal '63	Feb. 24	62	Treasury considers incentives to boost basic research	Feb. 24	20	
Proteins - Soy protein, isolated by solvent extraction, is basis of new food products	Feb. 10	59	Cyclone fan developed by Czechs shows promise as chemical reactor	Apr. 28	31	Yttrium iron garnets for acoustics	Feb. 17	150	
Public Relations - Art, music, drama enhance CPI's "image"	Jan. 6	49	Hanford, Wash. reactor costs have increased	Mar. 24	82	Resins			
- letter	Jan. 13	88	Lowest-cost power from a nuclear reactor predicted for Bodega Bay, Calif. plant	May 26	34	Alkali-soluble resins bid for bigger share of polish business	Jan. 20	103	
Puerto Rico	Feb. 10	7	Rift (reactor in flight test) contract awarded	Mar. 17	96	Alkyd resin growth will determine future pentaerythritol (chart & table)	Apr. 7	81	
Glycol plant inaugurates first U.S. industrial foreign trade zone	May 26	40	Self-sustaining nuclear fission without coolant achieved at Hallam reactor	Apr. 7	55	Bisphenol-A fumarate polyester resin combines fire retardancy and corrosion resistance	May 26	70	
Stapan drops phthalic anhydride plans	Mar. 3	13	Three-way catalytic reaction upgrades coke-oven benzene	Mar. 3	30	Carbopol water-soluble resins booklet	May 26	70	
Pulp			Reading speed improved with help of 16-minute film			Cary Chemicals acquires Wacker license on specialty resins	Jan. 13	28	
Bleaching processes for pulps made in the kraft digestion process	Jan. 20	98	Refining			Celanese sells polyester resins operation to Marco	Feb. 24	15	
British Columbia pulp expansions may lead to new chlorine-caustic plant (table)	June 9	27	Catalyst-cleaning processes, Met-X and DelMet, remove metal contaminants	May 26	46	Celcon acetal resins venture in Europe	Jan. 27	24	
Canadian affiliates of Celanese undergo changes that will increase output of chemical wood pulp	June 16	40	Crude oil processing innovations	Jan. 13	39	Delrin vs. Celcon - new patent ignites battle for polyacetal dominance (table)	Apr. 7	20	
Computer control plans stepped up	Apr. 28	73	Electrorefining hafnium	Jan. 13	39	General Dynamics decides against high-temperature resins production	Jan. 20	35	
Sodium borohydride, new entry in pulp bleaching field, proves feasible in mill test	Apr. 21	100	Ferrofining process for finishing lube oils - cost data	Feb. 10	53	Ion exchange process called Powdex requires less resin inventory	Jan. 20	100	
Sulfite pulping clears pine hurdle with help from two-stage magnesium-base process (chart)	June 30	38	Libyan refinery built on concrete barge will use barge as foundation	Mar. 3	39	Light-colored a-methyl styrene resin	Apr. 14	80	
Pumps			Refractories			Particleboard growth lifts demand for resin binders (chart)	Mar. 31	71	
Boiler feed pump	Feb. 3	50	Ceramic - and nitride-bonded silicon carbide bricks and mixes	Jan. 6	50	Petroleum resins to be made by Ingray Bloch	May 26	29	
Canned pump	Jan. 27	43	High-temperature, acidproof foamed refractory called QuartzFoam	Mar. 3	39	Phenolic resin prices	June 16	120	
Moyno pump claims: cheaper than pneumatic solids-conveying systems	Jan. 13	71	Tabular alumina castable	Apr. 14	65	Pipe-grade polyethylene resin prices	Mar. 3	71	
Oil-vapor diffusion pumps	Jan. 20	61	Refrigerants - Fluorocarbon refrigerant, Freon-502	Mar. 3	39	Polyacetal patent case - Japan rules against Du Pont	June 23	18	
Purchasing			Regulators			Polyester resin newcomer at Hawthorne, Calif.	May 5	54	
Buyer-seller parity announced	Jan. 20	40	Gas-flow control problems tackled by Linde	Mar. 24	119	Polyethylene resin prices	May 19	127	
Certified Products List for 1962	Mar. 17	66	Temperature regulator	Apr. 14	79	Reactive silicone resin may put silicone paint into volume markets	May 5	53	
Defense Dept.'s new centralized procurement agency poses few problems for CPI	Mar. 31	43	Research			Silicone molding resins producer uses technical service task force to hike sales	June 30	37	
Pyridines			Biological fuel cell research	Mar. 10	70	Silicone potting and encapsulating resin	Apr. 14	80	
Derivatives for use in drugs, fungicides or vulcanizers	May 19	149	CPI opposes move to put 15% overhead restriction on federal research grants in the defense area	May 5	27	Thermosetting resins called Nypols	May 12	71	
Prices	June 9	82	CPI ranks high on Pentagon's list of prime contractors for R&D work	Jan. 20	69	Water-soluble resin prices	Feb. 24	72	
Q			Can you boost your research payoff - Viewpoint	Feb. 17	5	Wood bonding resins competition grows	June 9	27	
Quaternaries			Ceramic researchers eye aerospace applications (table)	May 12	85	Rockets			
Ammonium borohydride quats	June 16	135	Coal research programs criticized	June 16	92	Air Force awards contract for 120-in. solid-fueled rocket	May 19	78	
HQ series of quaternary ammonium salts	June 9	89	Coal utilization projects	May 26	25	Air Force to award contract for solid-fueled rocket to power Dyna-Soar	Mar. 31	24	
Quaternary ammonium salt for cosmetic applications	May 19	149	Communications research upgraded by Air Force	Feb. 10	38	Big solid-rocket engine project receives a setback	June 16	92	
Quartz - High-temperature, acidproof foamed refractory called QuartzFoam	Apr. 14	65	Co-operative research by CPI trade groups gets boost (table)	Feb. 17	143	Centaur, nation's first hydrogen-fueled rocket - test launching nears	Apr. 14	44	
R			Cotton researchers' progress report on chemical upgrading of cotton	May 12	90	Gemini space capsule to be powered by ion-exchange membrane cell	May 19	78	
Radiation			Diamond Alkali expands research organization	Jan. 13	28	Large solid-fueled space motors - proposals to speed development	June 16	62	
Area technique for fighting radioactive fire prevents spread of radiation	Jan. 13	69	Drugmakers attempt to cut costs of clinical testing	May 19	48	Nuclear-powered rocket engines program - Rift contract awarded	May 26	34	
Britain's first irradiation-sterilization plants using cobalt-60	Jan. 20	69	Electron-beam processing moves into new areas	Apr. 14	89	Solid propellants score in new military rockets (table)	June 30	19	
Measuring devices	Feb. 17	112	Enzyme research signals rise in therapeutic uses	Apr. 7	49	Space contracts reshape outlook for rocket propellants (table)	Jan. 13	25	
Mobile electron accelerator for industrial radiation jobs	May 5	51	Ethylene-propylene rubbers research pushes forward	June 16	56	Rodenticides - Sales chalk up record year in '61 (chart)	Jan. 6	57	
Research on radiation processing of cellulose picks up steam (table)	June 16	53	Federal contracting practices in R&D are sound, says Budget Bureau report	May 12	46	Roofing - Neoprene-Hypalon roofing system called Gacoflex	Apr. 7	68	
Researchers seek new radiation-resistant materials (table)	June 9	93	Federal research grants - 15% overhead restriction gains momentum in the House	May 26	34	Rosin			
Silicon solar cells measure high-intensity radiation	Apr. 28	74	Fermentation - report, David Perlman & others (tables)	June 16	97	Outlook to '70	June 2	57	
			Flame-retardant polymers research pushes forward	Feb. 10	37	Rosin flux remover called Removex	Jan. 13	46	
			Fluorochemical research spawns host of new products	Jan. 6	53	Rubber			
			French, Canadian, British governments make new research plans	Jan. 20	111	Antioxidants theory unveiled	Apr. 28	74	

Canadian consumption up in '62	June 30	58	Aerosol tire inflators aim for bigger U.S. market	May 19	143	survey	Mar. 31	14
Consumption will increase in '62	Jan. 20	82	Ammonia markets in Southwest were severely shaken by Billie Sol Estes deals	May 12	31	Veterinary drugs market is building fast	June 30	60
Czech report shows dicumyl peroxide to be most effective agent for ethylene copolymer vulcanization	Apr. 21	105	Armour faces task of boosting sagging sales	Feb. 17	43	Vitamins maker fights to keep business in drugstore	Feb. 3	40
Demand will increase as tire production goes up	May 5	78	Atlas reorganizes Chemical Division field sales force	Apr. 28	48	Weekend service department aides customers	Mar. 10	42
Depolymerized rubber for electrical applications	May 19	149	Auctioneer's gavel raps profitable tune for companies selling plants	Feb. 17	46	Zinc contest aims at generating new sales ideas	May 5	32
Ethylene-propylene copolymer field is becoming crowded	May 12	18	Auto washer-waxers bid for big slice of auto polish sales	Mar. 31	7	Semiconductors		
Ethylene-propylene polymer - Du Pont's new synthetic rubber	Apr. 7	17	Automatic transmission fluid crackdown in California	Mar. 3	45	Gallium arsenide purification techniques	May 12	79
Ethylene-propylene rubber advances reported	June 16	56	Automatic transmission fluids sell at 55-million gal./year pace	Mar. 17	66	IRE meeting highlights latest developments	Apr. 7	50
Fluorosilicone rubber stocks and rubber base - prices	Mar. 17	102	Boats - aluminum and plastics vie for control of market	Apr. 7	35	Microcircuits: payoff in a tiny package	Mar. 3	55
Government shifts rubber procurement policy	June 23	23	Borden counts on chemical sales to double by '66	Jan. 20	41	Separators		
Hydrogenation process and protective agents being developed to keep rubber from cracking	May 5	62	Brake fluids sales picture (table)	Mar. 3	18	Electrostatic ore separator for separating minerals from their ores	Apr. 21	102
Import and export figures for '61 (table)	Feb. 17	40	Buyer-seller parity announced	Apr. 21	65	Electrostatic separator	June 9	89
Kennedy, Robert F., issues report on synthetic rubber industry	Mar. 24	44	Canadian sulfur influx draws mixed reactions from Gulf Coast producers	Jan. 20	40	Sewage Treatment		
London natural rubber prices down as U.S. plans increased sales of stockpile rubber	June 23	77	Capital goods manufacturers expect average 16% increase in new orders	Feb. 3	37	FS Disposal System destroys sewage sludge and organic wastes	May 12	100
Natural rubber price cuts predicted	May 19	127	Chemical manufacturers' sales may increase 6% '62	Feb. 17	35	Multiple feeds: key to new Ingram waste-treatment process	Mar. 17	89
cis-Polybutadiene rubber tread test	Jan. 6	50	Chemical Statistics Directory updated	Mar. 10	96	Polyelectrolyte series for sewage treatment	Mar. 17	79
Price drop foreseen due to competition between synthetic and natural rubbers	May 5	28	Coin-op drycleaning sales up	May 5	55	Shampoo - New shampoos battle for share of \$170-million year market	June 16	141
Rubber processing chemicals output up	May 19	139	Commerce Dept. report shows chemical sales doing well	May 12	19	Shaving Creams - Aerosol shave-cream battle flares again	Apr. 14	23
Silicone rubber for use in making flexible molds	Jan. 20	69	Consultants play bigger role in commercial chemical development	Jan. 13	81	Sheeting - Fire-retardant acrylic sheet	Apr. 14	80
State Dept. opposes accelerating natural rubber disposal from U.S. stockpile	May 5	71	Co-ops are fast-growing outlets for broad variety of specialties	June 9	85	Shellac - Comeback in polish business possible	Jan. 20	104
Tank-cars lined with rubber gain favor with CPI (table)	Mar. 10	41	Copper agency set up to bolster sales	Apr. 21	38	Shipping		
U.S. government may suffer big loss on unsalable natural rubber	Apr. 28	81	Cryogenic gas sales head up	Mar. 17	108	Aluminum barge launched	Feb. 17	70
*World's largest polybutadiene synthetic rubber plant at Louisville, Ky.	Jan. 20	88	Detergent packaged without gimmicks	Apr. 7	42	Automatic billing speeds handling of paper work involved in truck shipping	Jan. 13	82
Rumania - Electronic control equipment and instrumentation acquired from British firm	June 16	74	Drug industry revamps sampling plans	Mar. 3	67	Calcasieu Ship Channel widening will cure Lake Charles' traffic jam (table & map)	May 12	26
Russia			Drug sales up some, profits feel squeeze (table)	Apr. 21	24	Common carrier barge lines vs. government Compact freight car debuts	May 12	34
Air pollution reduced in Moscow area	May 12	117	Drugmakers move to remake their image	Apr. 21	35	Container makers seek nonreturnables gaining favor with CPI	Apr. 7	87
Artificial diamonds, fuel cell developments	Feb. 17	100	Drycleaning compounds	Apr. 21	118	Containerization gets new look as way to cut shipping, storage costs	Mar. 17	46
Chemical production gains	Feb. 3	23	Elastomer sales down	Apr. 14	74	Corrosive chemicals shipped in glass carboys packed in lightweight wire-bound wooden boxes	June 9	82
Convertibility of ruble may be next move in trade offensive	Mar. 10	23	Enjay shifts from product emphasis to market specialization	Apr. 7	88	Great Lakes harbor study boosts bulk traffic	May 19	70
Defector Robert Webster returns to U.S., gives inside story on Russian plastics industry	June 23	19	Fertilizer sales record in the making	June 2	58	Hydrojet tug may open "unavoidable" rivers to barge traffic	Apr. 28	45
Khrushchev likely to call Soviet plenary session for chemical industry	Apr. 14	29	Foreign sales, assets, earnings for '50-'60 revealed by 100-company study (table)	Jan. 13	27	ICC approves use of king-size compressed-gas cylinders	June 9	46
May start paying for use of U.S. patents	Feb. 24	16	Foundries: fast growing CPI market (table)	June 2	39	ICC rules whiskey is not a chemical in trucking issue	Feb. 24	20
Mineral trade developing at rapid pace	Apr. 28	31	Glidden's three operating units share profit honors	Mar. 24	68	ICC vetoes thinner tanks for ammonia shipments	May 19	45
Patent policy change reported	Mar. 24	82	Government owned San Jacinto Ordnance Depot near Houston, Tex. for sale	Mar. 24	20	Mexico-to-Brazil shipping service launched	Mar. 17	48
Price reductions may augur export drive (table)	Mar. 3	17	Japan's photographic film giant moves to double sales	May 19	56	Panama considers second canal	May 19	72
Production has risen 15%	May 5	38	Liquefied petroleum gas in '61: slow start, but a rousing finish (charts)	Jan. 6	56	Payback car combines three-way loading	Apr. 14	96
Soviet bloc moves to counter the Common Market	June 16	68	Mail-order drugs threatened by Senate bill	Mar. 3	68	Plastic tankers tout big payloads in bid for CPI business	Apr. 14	95
Tetraethyl lead exports	Mar. 17	54	Manufacturers' sales of chemicals to increase 6% in '62	Feb. 24	20	Polyethylene shipping by bulk truck	Feb. 24	48
			Metals cross-licensing deal involves U.S. and French firms	Apr. 21	102	Potassium truck shipping restrictions lifted	Feb. 3	40
			Motorists make a hefty market for chemical specialties	Apr. 28	55	Radioactive materials - AEC and ICC discuss safe transportation	Jan. 13	32
			Pesticides sales head for half billion (chart)	Jan. 6	57	Railroad traffic picking up steam (chart & table)	June 9	23
			Plastic film marketing agreement in western Canada	Mar. 17	48	Rubber-lined tank cars gain favor with CPI (table)	Mar. 10	41
Safety			Polycarbonate or cut may open door to new sales (chart & table)	Feb. 3	69	St. Lawrence Seaway begins fourth season with threat of higher tolls (chart)	Mar. 24	51
CPI scores new safety mark	Mar. 31	30	Polyethylene makers spin intricate web of marketing tie-ups (table)	May 5	31	Vehicle leasing wins favor as way to cut transport costs (charts & table)	Feb. 17	67
Explosives safety manual	June 16	151	Polypropylene reselling arrangements lose luster (table)	June 9	45	Waterway toll boost proposal draws CPI fire (map)	Jan. 20	33
Fire fighting techniques where radioactive material poses hazard	Jan. 13	69	Polypropylene sales lineup now includes CalChem	Jan. 6	27	Waterway toll legislation given 50-50 chance in Congress	Jan. 27	28
Helmet makers prepare rebuttal to unfavorable report on safety hats	Apr. 21	85	Product development - Push for new products report	Feb. 3	29	Waterway user charges proposal shelved	June 9	32
*Industrial preparedness - "Don't you buy insurance - Viewpoint"	Jan. 6	7	Reciprocal trade agreement between Fluorocarbon Co. and Thermotech Industries	Jan. 20	36	Waterways extensions may help CPI trim shipping bills (map)	Apr. 14	24
Radioactive materials - AEC and ICC discuss safe transportation	Jan. 13	32	Sales and earnings - CW index (charts)	May 5	23	Winter weather harasses Midwest shippers	Feb. 3	20
Salesmen get safety belts in company cars	Jan. 13	83	Sales and earnings - '61 fourth quarter upsurge generates momentum for '62	Feb. 3	19	Ships - Nuclear merchant ship Savannah may visit foreign ports	June 30	26
St. Lawrence Seaway - CPI fears higher tolls due to lagging tonnages and revenues (chart)	Mar. 24	51	Sales and earnings - 1962 first-quarter sales and earnings upturn	Mar. 10	24	Silica		
Salesman's Assn. of the American Chemical Industry - Combined meeting with National Association of Purchasing Agents	Jan. 20	40	Sales push ahead but profits take a tumble in '61 - CW tabulation of 77 companies (tables)	Apr. 28	26	High-temperature, acidproof foamed refractory called QuartzFoam	Apr. 14	65
Salt			Salesmen - aptitude tests gain favor in CPI	Jan. 20	34	High-temperature foamed silica, Porecrete	Apr. 21	81
Rock salt supply-demand picture (chart & table)	Jan. 20	75	Salesmen - incentive programs pay bonus in sales executive recruiting	Feb. 3	19	Silicon		
Yellow prussiate of soda (YPS) keeps salt from caking	June 23	64	Salesmen - safety seat belts push	Apr. 28	26	Russian method for making silicon crystals	Apr. 14	28
Samplers			Ski specialties sales soar	Jan. 20	34	Simplified silicon doping	Jan. 13	39
Radioactive sampling	Jan. 13	72	Soap, detergents gain in '61	Apr. 7	22	Silicones		
Waste water sampler	June 9	89	Specialties scale new sales peaks (chart & tables)	Jan. 27	34	Canadian importers smooth out marketing problems	May 12	108
Samples - Drug industry revamps sampling plans	Mar. 3	67	Swimming pool chemicals boom foreseen	Feb. 10	43	Cerium added to silicones hikes temperature limits	Feb. 10	54
Satellites - Project Advent beset by booster problems	June 2	26	Technical service costs climb as CPI backs up the hard sell	Jan. 13	83	Reactive silicone resin may put silicone paint into volume markets	May 5	53
Scandium - US9M applies foam fractionation techniques to scandium	June 23	93	Technical service task force hikes silicone molding resins sales	Jan. 27	55	Silicone coolants for airborne electronics systems	Feb. 3	57
Scotland - Shale oil industry will close down	Jan. 21	56	Technology for sale - Reichhold takes new step	Apr. 21	118	Silicone-epoxy coating powder for resistors; silicone potting and encapsulating resin	Apr. 14	80
Sealants - One-part sealants vie for wider acceptance (table)	May 26	106	Toilet good sales head for new peak in '62	May 26	87	Silicone fluid for coolant in airborne electronic equipment	Mar. 17	84
Seals - Pump seals	Jan. 13	71	Union Carbide Olefins launches drive for "outside" sales	Feb. 17	78	Silicone rubber for use in making flexible molds	Jan. 20	69
Seattle University - Chlorine recovery process	Apr. 21	105	U.S. Dept. of Commerce sales outlook	June 2	29	Squeeze-tube silicone adhesive-sealant	May 19	149
Selling				June 30	37	Water-stable organosilicones debut	Mar. 17	65
Acrylic fiber promotion shows unusual twists	Feb. 24	45		Mar. 31	51	Silver		
Aerosol filler, Strouse, reports record sales (table)	Mar. 24	101		May 5	54	Repeal of Silver Purchase Act considered	Mar. 10	36
Aerosol fillers form international tie-up	Feb. 10	55		Mar. 24	22	Silver brazing alloy	Mar. 10	50
						Trade may be in the works for new silver legislation	Jan. 27	28
						Yugoslav process extracts silver from silver alloys	Mar. 31	52

Silver iodide - Weather Bureau will use silver iodide seeding to minimize effects of hurricane winds and rains	Feb. 17	61	Kennedy's victory over steel calls for clarification of Administration policies - Plea for reason - Viewpoint	Apr. 28	5	and Allied	May 5	17
Sintering - Titanium carbide sintering	Mar. 31	53	Labor talks to reach critical point	Mar. 31	13	New sulfuric acid process uses gypsum or anhydrite as raw materials	Mar. 24	78
Skiing - A growing market for chemicals	Jan. 27	55	Mixed bag: power, textiles, steel - Business Benchmarks	Apr. 28	102	Outlook: 5% output rise in '62	June 16	130
Soap			Negotiations center around job security	Apr. 7	17	Sulfuric capacity - letter	Feb. 3	7
Aspn. of American Soap and Glycerine Producers' annual convention - preview	Jan. 20	108	Negotiations to be resumed	Mar. 17	35	Vanadate catalyst for sulfuric acid manufacture	Feb. 24	62
Sales hit new high	May 26	96	Output gains mirror strike concern - Business Benchmarks	Feb. 17	158	Superconductors		
Sales outlook	Apr. 21	118	Pentagon is studying possible uses for steel substitutes	May 5	27	IRE meeting highlights latest developments	Apr. 7	50
Society of Aerospace Material and Process Engineers - Thermo-lag heat-blocking compounds debut	May 26	108	Pressure Vessel Code changes will lower cost of 9% nickel steel	May 5	51	Niobium-zirconium superconducting magnets	Feb. 3	58
Society of the Plastics Industry, Inc.			Price boost - The price of interference - Viewpoint	Apr. 21	5	Purity is key to superconductivity of molybdenum	Apr. 21	82
Launches campaign to win boating market	Jan. 20	41	- letter	Apr. 21	5	Surface-active Agents		
Thermoplastics Pipe Div. - plastic pipe design-stress-rating system and uniform standards method adopted	Mar. 17	117	Price conflict simmers down	May 12	9	Anionic surfactant, Monamul RS	June 2	63
Soda ash - Production off 1% in '61	June 16	120	Price increase unlikely	Apr. 21	17	Carburetor detergent called Paradyme 44	May 19	100
Sodium aluminum phosphate - New process, new plant, new end use as leavening agent	Mar. 17	83	Price increase unlikely	Apr. 14	17	Silicon surfactant produces synthetic sponges	Apr. 21	95
Sodium borohydride - Borohydride aims at pulp bleaching market	June 30	38	Roller-nickel-steel upgrades electroplated coatings	June 2	50	Triton X-400 in commercial quantities	Apr. 14	80
Sodium chlorate - Canadian trade secrets case settled	Apr. 14	23	Details of new technique	June 9	64	Water-stable organosilicone copolymers	Mar. 17	65
Sodium chlorite - Continuous sodium chlorite textile-bleaching process challenges peroxide for share of market	Feb. 10	47	Stainless steel liner puts squeeze on piping costs (table)	Apr. 7	71	Swimming Pools - Makers of pool chemicals are hot on trail to bigger sales	Feb. 17	78
Sodium hydrosulfite			Stainless steel pipe and tube forms for sulfuric acid solutions	Mar. 10	49	Synthetic Organic Chemical Manufacturers Assn. - Gerstacker, Carl, expresses SOGMA's opposition to grade bill - Viewpoint	May 12	5
Du Pont's price policy clarified	Mar. 24	108	Steel ends its ten-week slide - Business Benchmarks	June 30	70	Syracuse University - State University College of Forestry - polysaccharides study with Bristol Labs	Feb. 24	60
Prices	Mar. 10	90	Strike threat	Feb. 17	35			
Soil Conditioners			Sterilization - Britain's first irradiation-sterilization plants using cobalt-60	Jan. 20	69			
Novege, new soil sterilant	Mar. 17	80	Steroids					
Synthetic mulch based on petroleum resins	Apr. 21	26	Fermentation - report (tables)	June 16	97			
Solar battery made of cadmium sulfide	Mar. 3	62	Pt. 1 Present status of industry.	June 16	98			
Solar Energy - Silicon solar cells measure high-intensity radiation	Apr. 28	74	Pt. 2 New fields beckon fermentation researchers. Ralph Anderson	June 16	105			
Solder - Epoxy solder	Jan. 20	108	High-potency steroid called Alphadrol	Feb. 17	148	Tanks		
Solvents			Stockpiles			ICC vetoes thinner tanks for ammonia shipments	May 19	45
Fermentation - report. David Perlman & others (tables)	June 16	97	Administration considers ways of disposing of excess commodities	Apr. 7	30	Largest pressure tank car on rails	Mar. 31	45
Isoparaffins line called Isopar	Mar. 17	79	Chromite ore concentrates smelting deal	Feb. 10	27	Lightweight nylon-rubber "pillow tank" called Storitainer	Mar. 17	48
Sorbitol			Congressional investigation has bogged down	Mar. 10	36	Plastic tankers gain favor with CPI shippers	Apr. 14	95
Canadian marketing battle in full swing	Apr. 14	110	Government cuts synthetic rubber purchases, will buy natural rubber from stockpile	June 23	23	Rubber-lined tank cars gain favor with CPI (table)	Mar. 10	41
Canadian production race highlights dextrose-to-sorbitol processing	June 30	39	Government will not engage in wholesale dumping of stockpile surpluses	June 2	25	Urethane foam insulation used in tankers	May 5	32
Sorters - Photoelectric sorter upgrades cement plant feed	Apr. 21	88	Kennedy moves against overflowing stockpiles	Feb. 10	27	Tantalum		
Soybean Oil - Producers thrive on U.S. dietary fad for unsaturated fats	June 23	86	New approach to stockpiling - Viewpoint	Feb. 24	5	Demand up in '61 (table)	Mar. 17	105
Spain			Sale of 14 surplus materials approved by Senate subcommittee; cadmium sale proposed	June 23	32	Economic comparisons for separating columbium pentoxide from tantalum	Apr. 7	58
CPI weighs EEC's cool response to membership bid (map)	Mar. 17	51	Surplus disposal question leads to bitter power struggle	May 26	33	Prices	Jan. 27	47
EEC membership sought	Feb. 17	36	Surplus rubber, metals and minerals disposal plan	May 5	28	Tape		
Excise taxes on petrochemical raw materials removed	June 9	40	Surpluses cast shadow of uncertainty over commodity prices (tables)	Feb. 24	13	Epoxy tape	Mar. 10	49
Fertilizer project	Apr. 7-18		Storage - Containerization bids for in-plant handling and storage jobs	Mar. 17	46	Roofing materials use pressure-sensitive tape	June 9	90
Labor crisis is worsening	May 12	18	Storms			Teflon tape	Mar. 10	49
Petrochemical complex plans shape up	Apr. 7	24	Gulf Coast plant managers prepare for storm season	Mar. 24	98	Tariffs		
Petrochemical expansions continue although strikes spread throughout industry	May 26	38	Silver iodide seeding may minimize effects of hurricane winds and rains	Feb. 17	61	Administration issues rebuttal brief to CPI's opposition on proposed tariff cuts	Apr. 14	22
User tax on petrochemical raw materials to be cut	Mar. 3	20	Strippers			Administration tries to win CPI support for trade program	Mar. 3	23
Spectrometer - Atomic absorption spectrometer measures metal in oil in five seconds	June 23	64	Epoxy stripper called Fidelity 500	Mar. 24	98	Alumina and bauxite duties suspended for two more years	June 23	17
Sponges			Gold stripping agent	May 5	42	Antidumping measures may hit U.S. petrochemical exports to Japan	Apr. 31	20
Antiseptic sponge	Apr. 28	41	Liquid stripper	Feb. 3	63	Beryllium industry weighs tariff protection	Mar. 28	32
Silicon surfactant produces synthetic sponges	Apr. 21	95	Styrene			Britain imposes antidumping duty on East German ammonium sulfate	Mar. 17	43
Urethane sponges with built-in detergents and built-in silicone oil	Mar. 31	19	Britain may increase duties on imports from U.S.	Apr. 14	18	Britain may increase duties on styrene imports from U.S.	Apr. 14	18
Stabilizers			Prices	Apr. 7	76	Canada considers tariff protection for maleic hydrazide	Mar. 17	101
Food emulsion stabilizer	Apr. 14	80	Styrene oxide - Available in commercial quantities from Carbide	Apr. 21	108	Canada introduces "made in Canada" labels	Mar. 24	107
Organosilicone fluids to be used as urethane foam stabilizers	Mar. 17	65	Sucrose benzoate - Available from Tennessee Products	June 9	89	Canada prepares for Vitamin A tariff hassle	Apr. 28	107
Standardization			Sugar			Canadian firm seeks protection for caprolactam	Mar. 17	101
Symbols appearing on process flow diagrams to be standardized	Apr. 21	105	Enzymatic starch-to-dextrose process	May 19	94	Canadian firm wants government to press for concessions in U.S. tariffs	Feb. 3	66
Weld standards are under new attack	Feb. 24	33	Turkish process for producing sugar claims three-way savings	June 30	39	Canadian silicones maker seeks tariff protection	Mar. 3	71
Stanford University - Leighton, Philip suggests that auto smog-control devices may substitute one smog problem for another	Jan. 6	29	Sulfite			Canadian tariff adjustment on dicyandiamide and urea	Jan. 20	87
Starches			Lignosulfonate salts from spent sulfite liquor using leather scrap - new process	Apr. 7	63	Citric acid imports may mean cut in U.S. duties	June 2	22
Enzymatic starch-to-glucose process	Apr. 21	81	Sulfite pulping clears pine hurdle with help from two-stage magnesium-base process (chart)	Feb. 3	50	Common Market may retaliate against U.S. tariff hike on glass and carpets	June 2	22
Enzymatic starch to glucose process described by USDA researchers	May 19	94	Sulfur			EEC may impose duties on polyethylene and aromatic hydrocarbon exports from U.S.	May 26	18
Enzyme spurs raft of process switch-overs by starch producers	Apr. 21	99	Canadian and British firms stress growing importance of recovered forms of sulfur	Feb. 24	72	EEC tariff hike on polyethylene and polystyrene will have small impact on U.S. plastics (charts)	June 30	57
Enzymes: better way to break the starch chain - Dimension	Apr. 21	100	Canadian sulfur exports to benefit from new exchange rate	Mar. 10	23	France rescinds antidumping tax on polyethylene imports	Feb. 17	36
Fractionation process details	Apr. 28	73	Canadian sulfur influx draws mixed reactions from Gulf Coast producers	May 12	108	GATT tariff cuts: backdrop for battle over trade bill (table)	Mar. 17	39
Lubricant for household liquid starches	Feb. 3	63	Canadian sulfur shipments to U.S. may be increased	Feb. 3	37	International cotton textile pact negotiated in Geneva	Feb. 24-9, 19	
Starch phosphates - Foreign licensees sought	Apr. 28	73	Canadian sulfur starts U.S. market invasion (map)	Mar. 10	89	Javits, Jacob, introduces alternative trade bill	Feb. 24	19
Statistics			Canadian sulfur will move into Chicago market	Jan. 6	21	Jersey Standard's Shepard makes plea for liberal trade policies on part of U.S. and EEC	May 19	45
Chemical Statistics Directory updated	Mar. 10	42	Output up	Apr. 21	120	Kennedy favors new trade-and-tariff policy	Jan. 6	31
Lying with statistics - Viewpoint	May 5	5	Production increase forecast	Apr. 28	82	Kennedy's tariff cutting bill studied by CPI (table)	Feb. 3	21
Steam - Venezuelan project to get steam from fumarels	Feb. 10	50	U.S. consumption of sulfur equaled record set in '60	Jan. 6	59	Kennedy trade bill - CPI takes sides on new bill (table)	Feb. 10	21
Steel			World lineup puts Poland in sixth place	Jan. 20	38	Kennedy's trade bill supported by CPI - with reservations	Apr. 7	29
Balky steel talks spur output - Business Benchmarks	Mar. 24	124	Sulfur trioxide - Syntel made by sulfur trioxide process debuts	Jan. 6	73	Kennedy's trade bill - MCA's approach to trade bill is more likely than SOGMA's to win sympathy for CPI objections - Viewpoint	May 12	5
Bargaining breakdown	Mar. 10	17	Sulfuric acid			- letter	June 2	5
Esshete 1250, new high-temperature steel	Mar. 31	53	British, German, Bulgarian output	Mar. 3	21			
Gold-coated steel process	Apr. 21	105	Catalyst for sulfuric acid manufacture called 33-2	Apr. 21	105			
How steel hike surprised industry - Business Benchmarks	Apr. 21	124	Monopoly suit against St. Joseph Lead					
Japanese steelmakers adopt fuel oil injection techniques	Apr. 14	28						
Kennedy's steel victory: what does it mean to chemicals?	Apr. 21	21						

Kennedy's trade bill - Ways & Means Committee changes (table) ... Apr. 21-43, Kennedy trade bill sails through Congress ... June 2-25	May 26 26	Wash-and-wear properties achieved with divinyl sulfone	Feb. 3 57	U.S. Air Force - Dismantles high-energy fuels plant at Model City, N.Y.	Jan. 6 32
Latin American Free Trade Assn: chemicals boost? (table)	June 16 61	Thermoelectricity	Apr. 7 50	U.S. Air Force Office of Scientific Research - Directorate of Information Sciences formed to carry out research in communications	Feb. 10 38
Organic chemicals eligible for elimination of tariffs under new trade proposal	Mar. 10 22	IRE meeting highlights latest developments	June 2 71	U.S. Army - Incapacitating gas development - progress report	Apr. 7 64
Puerto Rican foreign trade zone inaugurated	Mar. 10 35	Thorium - AEC awards two thorium metal ingot contracts	Mar. 3 62	U.S. Army Chemical Corps. - May become inactive under new Defense Dept. reorganization plan	Jan. 27 28
Puerto Rican foreign trade zone act as a subzone of a foreign trade zone	May 26 40	Thorium oxide - Toughening metals for rigorous jobs is knack of new thorium alloying method	June 30 49	U.S. Bureau of Mines	
Removable tariff on lead and zinc imports proposed	Feb. 24 20	Tin - Secondary tin recovery increased in '61	Apr. 28 91	Countercurrent ore leaching process	Jan. 6 70
U.S. - Canadian tariff problems are piling up	Feb. 3 26	Tires	May 19 143	Electrorefining hafnium	Jan. 13 39
U.S. - Common Market tariff-cutting agreement	Feb. 17 125	Aerosol tire inflators aim for bigger U.S. market	Apr. 14 84	Gamma-radiation facility for metallurgical purposes at Albany, Ore.	May 12 94
U.S. - Euromart tariff-cutting pact sets stage for Congressional battle (table)	Jan. 20 29	Bonding agent, CVC, for tires	May 12 79	Lignite Research Laboratory - Industrial gas from lignite coal process	Apr. 21 102
U.S. - European trade - As others see us - Viewpoint	Jan. 27 21	Carbon black improves performance of stereospecific rubber tires	June 23 23	OCAW retains bargaining rights at Keyes, Okla.	May 26 66
U.S. exports are hit by Euromart retaliation (table)	Feb. 3 5	Military tire specifications to be changed	Feb. 17 126	U.S. Bureau of Mines Laboratories - Electrostatic ore separator bypasses flotation and chemical processes	Apr. 21 102
U.S. particleboard producers get full protection from imports	June 16 39	Passenger car tire of nylon-cord construction	May 5 78	U.S. Dept. of Agriculture	
World chemical trade trends draw close study as tariff bill advances (charts & table)	June 2 23	Production should set a new record in '62	May 12 71	Animal disease lab dedicated at Ames, Ia.	Feb. 24 60
Tartaric acid - Food acidulants market (chart)	May 12 21	Tire-rubber modifier, Rezad 33	Mar. 17 105	Pioneering research lab at Wooster, O.	Feb. 17 150
Taxation	June 16 125	Titanium	Feb. 17 99	Southern Utilization Research Div. - divinyl sulfone used to treat textiles	Feb. 3 57
Bulletin F revision will mean more liberal depreciation schedules ... Jan. 6-31, Depreciation allowances outlook brightens	May 19 35	Demand up in '61 (table)	Mar. 17 83	Southern Utilization R & D Div. reports on chemical upgrading of cotton	May 12 90
Du Pont-GM tax bill see under Antitrust - Du Pont-GM case	Jan. 27 17	New tube mill promises lower costs for titanium equipment	Feb. 17 99	U.S. Dept. of Commerce	
Employee tax and earnings information to be reported on magnetic tape	Mar. 31 30	Russia may use Japanese material to retube Cuba's Moa Bay nickel plant	Mar. 31 53	Chemical Statistics Directory updated	Mar. 10 42
Liberalized depreciation schedules to be issued soon	June 16 61	Titanium cathodes in electrolytic production of manganese in experimental stage	Mar. 31 53	Export Expansion Committee reorganization	Apr. 14 43
New Jersey governor speaks out for tax equity	Feb. 3 46	Titanium carbide - Russians report on titanium carbide sintering	Mar. 31 53	Office of Technical Services - regional technical report centers set up	May 5 66
Overseas profit tax opposed by CPI - letter	May 5 22	Titanium dioxide	June 2 57	Steps up services designed to encourage foreign trade	Jan. 20 39
Overseas tax proposals criticized by drug firm	May 19 14	Chloride process wins another supporter	Apr. 28 87	U.S. Dept. of Health, Education and Welfare	
Overseas tax provision will be major tax battle in Congress	Apr. 21 17	Du Pont will build plant in California	Feb. 17 42	Ribicoff, Abraham may run for Senate in Connecticut	Feb. 10 31
Spain cuts user tax on petrochemical raw materials	Mar. 10 35	Growth of end-uses spurs capacity buildup (charts & table)	Apr. 14 17	U.S. Interior Dept. - Plans for creating an institute of water resources research are still alive	Apr. 14 43
Tax credit proposal is in trouble	Mar. 3 20	Producers build to keep pace with rising demand (table)	Mar. 24 81	U.S. Office of Science and Technology	
Tax cut for corporations and individuals may be in the making	Jan. 6 31	West Coast expansions	Mar. 24 23	Groundwork for new office proceeds on schedule	Apr. 14 44
Tax-cut talk gains public support	May 19 77	Titanium trichloride - Technology and patents agreement between Union Carbide Metals and Pearsall Chemical	May 19 148	New office established by Kennedy Wiesner, Jerome B., will head new office	Apr. 7 30
Treasury considers incentives to boost basic research	June 16 61	Tobacco - British "cause of cancer" report crimps cigarette sales	May 5 54	U.S. Patent Office - Eyes changes in operations	June 30 26
Treasury Secretary Dillon suggests modification to investment tax credit plan	Feb. 24 20	Toilet Goods Assn. - Joint meeting to be held with TGA in Quebec City	Apr. 7 76		Feb. 24 15
Waterway toll legislation draws CPI fire (map)	May 19 35	Toilet Goods Manufacturing Assn. - Joint meeting to be held with TGA in Quebec City	May 12 24	U.S. Public Health Service	
	Jan. 27 28	Toilettries - Sales head for new peak in '62	Apr. 7 42	Creation of national environmental health center recommended by 18 scientists	Mar. 31 23
Teflon		Toluene - Prices	June 16 135	Medical research agreement with Poland	Apr. 14 44
Baymal colloidal boehmite boosts Teflon's abrasion and deformation resistance	June 9 68	Toluene disocyanate - West Coast's first plant announced; East Coast expansions underway	June 16 135	Will operate water-pollution lab and research center at the University of Georgia	May 19 50
Rulon in pressure-sensitive tape form	Mar. 10 49	Toothbrushes - Throw-out toothbrush called InstaMint	Apr. 7 25	University of Arizona - Symposium on Current Trends in Nuclear Power - high-lighted radioactive waste disposal	Mar. 17 113
Tellurium - Demand up in '61 (table)	Mar. 17 105	Toothpaste	May 26 7	University of Georgia - Water pollution lab and research center planned	May 19 50
Tennessee Valley Authority		Squibb dentifrice package contains dental floss	Apr. 7 25	University of Illinois - Safety helmets report	Apr. 21 85
Cut-rate fertilizer plan accepted by industry	Apr. 7 75	Tablet called Bite 'n Brush	Apr. 7 25	Uranium	
Cut-rate fertilizers offered to every farmer in Lincoln County, Tenn.	Mar. 31 68	Trademarks - Corporate image buildup - CPI now demands proof of payoff	May 26 7	Extraction process uses quaternary ammonium compounds	Feb. 10 50
Muscle Shoals, Ala. nitric acid plant bids	Apr. 7 24	Trademarks - Corporate image buildup - CPI now demands proof of payoff	Apr. 7 25	Miners-millers want AEC to continue uranium oxide purchases	June 23 32
Nitric acid contract bids sought	Jan. 20 38	Training	May 26 7	Stretch-out in AEC purchasing program possible	May 26 28
Production figures from annual report	Jan. 6 29	NCA alerts students to CPI careers	Apr. 21 74	United Nuclear goes basic in uranium	Feb. 24 16
Terminals		Programmed instruction cuts training costs 40%	May 26 111	Urea	
Bulk liquid caustic soda terminal being built at Wilmington, N.C.	Jan. 13 28	Programmed learning courses for maintenance men cut training tab (table)	Mar. 17 111	Canada attempts to eliminate tariffs on urea imports	Feb. 3 66
Deepwater caustic soda terminal nears completion	Mar. 31 45	Transducers - Ultrasonic device aimed at chemical uses	Apr. 14 7	Market prospects blighted by price hikes and competition from Japanese-made urea	June 30 53
Testing		Translations - Chemistry and chemical technology are most widely translated subjects in industry, says SLA survey	Feb. 10 53	Production to climb despite Japanese import threat (chart & table)	Feb. 17 129
Aptitude tests gain favor as tool for screening sales applicants	Jan. 27 34	Transmission fluids - California's new law may lead to a shift in ATF selling	Apr. 28 43	South Korea's second urea fertilizer plant under way	June 30 23
Better tests boost plastic linings	May 5 47	Transmitters	Apr. 7 35	U.S. prices in for squeeze due to import pinch from Canada and Japan	Jan. 20 87
Clinical testing: it can be painful to drug-makers too	May 19 48	Radio transmitter powered by bacteriological action	Mar. 10 70	West Coast sellers disturbed by pricing tactics of Japanese producers	Jan. 27 48
Tetraethyl lead		Telemetering transmitter	Jan. 13 71	Urethane	
Capacity buildup still outpaces demand (chart & table)	Jan. 28 51	Traps - Magnetic trap	Feb. 24 36	British report on urethane spray application for suede shoes and urethane impregnation of shoe uppers	May 19 99
Marketers troubled by increased competition, turbine engine developments	Jan. 13 78	Trimellitic anhydride - Amoco plant onstream	May 12 106	Catalysts for urethane foam: ethyl morpholine and lauryl morpholine Apr. 21-25, Demand for rigid urethane foam surges (chart & table)	May 19 149
Prices	Feb. 17 126	Tritium - Tritium-tagged compounds	Apr. 21 95	Fungicides keep bacteria from attacking urethane foams	May 12 111
Russian exports down	Mar. 17 54	Trucks		Methyl glucoside processes ride rising tide of urethane foam usage	Feb. 3 54
Tetrahydrophthalic anhydride		Leasing of trucks wins favor as way to cut transport costs (charts & table)	Feb. 17 67	Methyl glucosides produce rigid foams	June 23 89
Polyester coating system uses THPA	Jan. 13 41	Polyethylene shipping by bulk trucks	Feb. 28 48	Organosilicone fluids to be used as urethane foam stabilizers	June 2 50
Prices	Feb. 24 72	Tubing		Polyether urethane foam patent ruling assigns ownership rights to General Tire	Mar. 17 65
Tetramethyl lead - Capacity buildup still outpaces demand (chart & table)	Jan. 27 51	Sulfide detector tube	Jan. 13 72	Polyether urethane patent controversy: General Tire issues several licenses, Mobay seeks patent coverage on claims not covered by ruling	Apr. 14 21
Tetraphenylgermane - Development quantities	Apr. 14 79	Titanium finned-tube	Apr. 7 68	Rigid-urethane foam component	June 30 17
Texas - "Spaghetti bowl" petrochemical pipeline network continues to lure CPI (chart & map)	June 16 45	Tungsten - Diffusion method for bonding tungsten to itself	Jan. 6 50	Rigid urethane foam makes "instant" buildings	May 5 41
Textile Research Institute - Annual meeting features spandex fibers and high-temperature-resistant fibers	Mar. 31 61	Turbines - Jet-powered turbine completes successful 15-month run	Mar. 3 8	Rigid urethane foams sprayed on mine walls	May 19 100
Textiles		Turpentine - Outlook to '70	June 30 23	Sponges with built-in detergents and built-in silicone oil	June 23 78
Divinyl sulfone cellulosic cross-linking process licensed to GAF	Mar. 3 61	Ultrasonics	Feb. 17 99	Supersoft flexible urethane foam	Mar. 31 19
Fabric brightener, Melodie Fabric Bright'ner	Apr. 14 80	Sonic degasser	June 2 57		June 2 50
Mixed bag: power, textiles, steel - Business Benchmarks	Apr. 28 102	Ultrasonic device aimed at chemical processing	Feb. 10 53		
Production breaks record in '61	Feb. 24 79				
Rockcloth, new textile hardens when wet, builds shelters	Feb. 10 53				
Sodium chlorite textile-bleaching process challenges peroxide for share of market	Feb. 10 47				

V

Vacuum - High-vacuum systems	Feb. 17	109
Valves		
Ball valves	Jan. 13	71
Bronze ball valves	Jan. 27	44
Diaphragm valve, French Peel-Sic	Apr. 14	79
Filter-press sampling valve	Feb. 3	79
Graphite control valve	June 9	89
Plug valve	Jan. 13	72
Vacuum valve	May 19	150
Venezuela - Pig iron plant to be revamped	Mar. 31	58
Vietnam - Germany will help finance chemical complex	May 5	38
Vinyl		
Cary Chemicals branches out in vinyl	Jan. 13	28
Diamond Alkali rounds out gas-to-film integration in vinyls	Jan. 6	27
Vinyl acetate		
Capacity boost may be in the works	Apr. 21	17
Carbide expands, cuts prices	Jan. 6	22
Price cutting binges forces Pacific Carbide to close plant	Feb. 3	65
Vinyl chloride - Expansions	May 26	95
Virus - Eaton agent, virus-like agent, causes pneumonia	Feb. 3	25
Vitamins		
Drugmaker fights to keep vitamin business in drugstore	Feb. 3	40
Fermentation - report (tables)	June 16	97
Perlman & Kroll	June 16	98
PL 2 New fields beckon fermentation researchers Ralph Anderson	June 16	105
Low-cost vitamins in seven-tablet package	May 19	149
Vitamin A tariff hassle in Canada	Apr. 21	107
Vitamin B-12 patent suit settled, smuggling case still open	May 26	28
Vitamin B-12 smuggling case, Feb. 10-24	Feb. 17	44
Vitamin K, an antithrombotic vitamin	Mar. 17	66

W

Wages see Labor, Manpower, technical, Research, Selling		
Warfare Products		
Army will increase chemical-biological warfare spending	Feb. 10	27
Military research in genetics and chemical-biological warfare is being stepped up	May 12	46
Washington State University - Institute of Dairying - foam-drying milk process	Apr. 21	105
Waste Disposal		
Ammonium phosphate plant tries three-phase pollution control system	May 12	98
Baltimore plant will discharge wastes into Curtis Bay	Apr. 7	27
FS Disposal System destroys sewage sludge and organic wastes	May 5-62	100
Incinerator promises to clear up smoke problems from burning industrial wastes	Mar. 3	52
Ingram waste-treating process packs a lot of capacity into little space	Mar. 17	89
New York proposes nuclear waste disposal plant	Apr. 28	69
Radioactive waste disposal development tempo stepped up	Mar. 17	113
Underground reservoir used to dispose of uranium mill tailing waters	Mar. 17	73
Waste Utilization - Pulping wastes keep cow pasture green	May 12	104
Water Pollution		
Fish-killing stream pollution cases in Washington and Illinois	Feb. 10	32
Phosphate plant has three-phase pollution control system	May 12	98
Washington - federal antipollution action against paper mills in Puget Sound	Jan. 13-18, Jan. 20-118	Feb. 3 48
Wyoming and Nebraska join to eradicate pollution in the North Platte River	Apr. 14	37
Water Supply		
Tokyo suffers serious water shortage	May 19	44
Water - report - letter	Jan. 20	24
Water Treatment		
AEC and OSW will conduct basic research into chemical properties of water	Mar. 24	43
Desalting progress reported at ACS meeting	Mar. 31	64
Desalting with coal - research project	June 2	46
Filter medium for sterilizing water under development	Feb. 3	57
Fluoridation okay at Vancouver, Wash.	Jan. 20	118
Fluoridation o.k. for Jackson City, Tenn.	Mar. 17	74
Ion-exchange process controls scaling in saline water evaporators	Apr. 14	28
Ion exchange tries out for "neutralizing" waste water	Jan. 6	65
Israel plans evaporation desalting plant	Jan. 27	46
Mobile pilot plant tries out new water treatment chemicals	Feb. 24	62
OSW awards contract for salt water freezing process for Wrightsville, N.C. unit	May 5	58
OSW plans new series of saline-water conversion plants	Apr. 14	43
Russians are softening fresh water	Apr. 21	81
Saline water program contract awarded to foreign firm	June 30	25
Sea-water conversion equipment contract awarded by U.S. Army	June 30	40
Sea-water conversion plant at San Diego -		

operator contract awarded	Jan. 13	32
Sea-water conversion plant at Wrightsville, Beach, N.C. - construction bids	Apr. 21	102
Water treating plant for removing settled solids	Jan. 13	39
Wax		
Auto washer-waxers bid for big slice of auto polish sales	Mar. 3	45
- letter	Apr. 28	8
Liquid automobile wax, Seal Kote, from U.S. Rubber	May 12	24
Polyethylene additive for wax	May 19	150
Weather		
Gulf Coast cold wave forces some CPI plant shutdowns	Jan. 27	40
Southwest weathers severe cold with only minor delays in production	Jan. 20	30
Webster, Robert - Defector returns to U.S., gives inside story on Russian plastics industry	June 23	19
Welding		
Cold-welding copper technique	Apr. 21	86
Electron beam welding developments	Apr. 14	89
Glass welder	Mar. 3	39
Kaiser-developed welding technique cuts costs and time in fabricating with aluminum	Mar. 24	123
Nuclear welding of difficult-to-join materials studied by Russian scientists	May 5	62
Portable electron-beam welder	Mar. 3	62
Rigid standards for welds are under new attack	Feb. 24	33
Werner, Jesse - Research man reaches the top	Jan. 6	28
Western Coatings and Technology Symposium-Urethane coatings, water thinnable emulsions new plants highlight West Coast show	Mar. 17	66
Wetting Agents - Di-tridecyl sulfosuccinate wetting agent	Mar. 24	98
Whiskey - ICC rules whiskey is not a chemical	Feb. 24	20
Windshield De-icers		
De-icer concentrate	June 9	90
Windshield de-icers head for 20-million unit sales - letter	Jan. 20	27
Wood		
Flakeboard and panel board projects launched	June 9	27
- letter	June 30	7
Paper from tropical hardwoods project in Colombia	Jan. 13	66
Wool - World consumption up in '61	Mar. 10	96
World Congress of Man-Made Fibers - Basic scientific trends related to development of new fibers discussed at second congress	June 16	55
X Y Z		
Xylene		
O-Xylene export prices may hit new low level	Jan. 20	87
O-Xylene market picture is getting grim (chart & table)	Feb. 24	75
Phthalic slack-off sparks free-for-all in naphthalene and xylene markets (tables)	June 2	60
Suntide's p-xylene unit onstream	Jan. 27	48
Yugoslavia		
Calcium Carbide output upped	Feb. 24	17
Insecticides and fungicides production	Apr. 28	38
Methanol plant onstream	Apr. 21	56
Pharmaceutical industry can't keep up with demand	May 26	40
Promising market for U.S. products (chart & table)	Jan. 13	53
Rayon projects planned	Mar. 17	54
Zinc		
Anodized zinc coating	Apr. 21-82	96
Canadian lead and zinc venture financed by Belgian firm	June 16	42
Consumption of zinc slab for '61-'62	Jan. 27	47
Contest aims at generating new sales ideas from employees	May 5	32
Market outlook for '62	May 19	137
Output rising, auto industry boosts use	Apr. 21	120

Perfman, David & Charles Kroll		
Fermentation - report PL 1	June 16	98
Piomino, Anthony J.		
Goodrich-Gulf	Apr. 14	48

Company Index

ACF Industries, Inc. - developed largest pressure tank car on rails	Nar. 31	45
A&E Plastik Pak Co. - acquires California Mechanical Products	Apr. 14	25
AFC - superphosphate production started at Bena, Calif.	May 5	71
Abbott Laboratories - Cain, George, criticizes overseas tax proposals	Apr. 21	17
Fair trade injunction granted against White Front Stores	Feb. 3	49
Penthrane methoxyflurane, new anesthetic bids for work now done by diethyl ether.	Mar. 24	81
Research Liaison Div. - Science Information Dept. formed	May 5	68
Accurate Specialties Co. - merger with Kawecki Chemical	June 23	26
Aceto Chemical Co., Inc. - synthetic henna called Lawsons	May 26	70
Action S.A. de C.V. - will operate Hooker's activated carbon plant at Lecheria, Mexico	June 9	40
Aero-Chem Fillers - new plant opened at Bridgeport, Conn.	May 5	54
Aerocide Dispensers Ltd. - international aerosol licensing agreement	Feb. 10	55
Aerojet-General Corp. - beryllium-hydrogen-oxygen propellant systems studied	June 16	92
Big solid-rocket engine fails static test	June 16	92
Forms joint subsidiary with Bristol Aeroplane to produce solid propellants for rockets	June 16	44
Liquid hydrogen space engine, M-1 development program	Feb. 3-26	28
Nuclear-powered rocket engine development	May 26	34
Aerojet-General Nucleonics - fissiochemistry processing gets tryout in hydrazine production	Jan. 27	37
Aerolast Corp. - acquired by Helene Curtis	Feb. 24	65
Aerosol Packaging Co., Ltd. - international aerosol licensing agreement	Feb. 10	55
Aerosol Packaging of Canada - Mindustrial acquires controlling interest	Mar. 31	14
Aerosol Techniques - Aerocuticals, Inc., new division will handle aerosol pharmaceuticals	May 5	55
Aerospray, Inc. - new plant opened at Lodi, N.J.	May 5	54
Aerovent Fan Co., Inc. - door air heater	Mar. 17	79
Aevol Industrial Co. of Organic Fertilizers - will operate plant at Salonika, Greece	Apr. 28	38
African Explosives and Chemical Industries - fertilizer plant being built at Johannesburg	Jan. 13	30
Polyethylene venture with Sasol	Mar. 10	25
AGIP USA, Inc. - ENI affiliate will market Italian chemical processes, plants and equipment in U.S.	Feb. 10	79
Air Products & Chemicals, Inc. - constructing two lab buildings at Allentown, Pa. Expands marketing territory in the South by acquiring Keenan Welding Supplies	Feb. 10	39
Hydrogen plant at Muscle Shoals, Ala. nears completion	June 9	28
Liquid hydrogen unit planned for Long Beach, Calif. NASA will buy output	Mar. 17	102
Liquid oxygen-nitrogen-argon plants to be built at Delaware City, Del., and Chicago, Ill.	Jan. 6	22
Air Products and Chemicals - NASA contract for liquid hydrogen	May 19	47
Air Reduction Co. - common stock offering will finance acquisition of Tectron's Federal Industries Div. and Hungerford Plastics	June 16	42
Common stock offering will finance expansion and modernization plans	May 5	25
Hill, John, steers effective stockholders' meeting	Apr. 28	24
Hydrogen plant being built at Moraine City, O.	May 26	61
Liquid hydrogen unit to be built at Pedrickton, N.J.	May 5	25
Pure Carbonic uses urethane insulated tankers to carry carbon dioxide	Jan. 6	21
Sales Co. - air-separation plant to be built at Beaumont, Tex.	May 5	32
Airkem, Inc. - will market Schrader's aerosol valve line	June 23	26
Albi Manufacturing Co. - fireproofing called Albi-Clad	May 5	55
Albright & Wilson Ltd. - "Match king" makes good in chemicals	Jan. 13	46
Sales and earnings	Apr. 21	49
Sulfuric acid expansion at Marchon Products operation	Mar. 10	25
Alcan Aluminiumwerke GmbH. - new subsidiary of Aluminium of Canada formed by merging Aluminiumwerke Nurnberg and Aluminiumwerke Gottingen	June 9	40
Alcan-Pacific Co. - research park at Beaverton, Ore.	Mar. 17	54
Alchem Ltd. - colloidal silica sol production at Burlington, Ont.	Feb. 10	39
Alco Chemical Corp. - latex chemicals plant to be built at Chattanooga, Tenn.	Mar. 31	21
New name of Alco Oil & Chemical Corp.	Mar. 3	21

Author Index

Anderson, Ralph		
Fermentation - report PL 2	June 16	105
Black, Percy		
How to woo and win today's graduate students	Feb. 17	83
Griff, Allan L.		
European plastics	May 12	47
Johnson, H. C. E.		
Behind the news	Mar. 3-5	June 2 5
Viewpoint Jan. 6-7, Jan. 13-5, Jan. 20-5, Jan. 27-5, Feb. 3-5, Feb. 10-5, Feb. 17-5, Feb. 24-5, Mar. 10-5, Mar. 17-5, Mar. 24-5, Mar. 31-5, Apr. 7-5, Apr. 14-5, Apr. 21-5, Apr. 28-5, May 5-5, May 12-5, May 19-5, May 26-5, May 31-5, June 16-5, June 23-5	June 30	5
Kroll, Charles & David Perlman		
Fermentation - report PL 1	June 16	98

Alco Products - spray coating protects locomotives in ocean transit	June 16	135	Alcolac Chemical Corp. - first stock offering to the public	Apr. 28	60	Quaternary ammonium salt for cosmetic applications	May 19	149	Alcon Laboratories, Inc. - acquires Chicago Pharmaceutical Co. and Service Engineers, Inc.	Mar. 10	25	Aldehyd GmbH - acetaldehyde process wins new U.S. follower	May 5	57	Aldrich Chemical Co. - pyridine derivatives	May 19	149	Algemeene Kunstzijde Unie - Dutch and German governments settle war claims	June 2	34	Allico Products - epoxy adhesive	Jan. 6	74	Allegheny Ludlum Steel Corp. - stainless steel pipe and tube forms for sulfuric acid solutions	Mar. 10	49	Allen-Jones, Inc. - licensed by Carbide's Kemet Co. to make silicon monoxide evaporation source	Jan. 6	29	Allen-Sherman-Hoff Co. - fly ash conditioner	June 9	90	Allen Chemical - aluminum sulfate plant on stream at Newell, Pa.	Jan. 27	48	Anhydrous and aqueous hydrofluoric acid production slated for West Coast	Mar. 24	18	Canadian subsidiary takes over Canadian sales and distribution organization, assumes responsibility for operations of Brunner Mond Canada	Apr. 7	24	Caustic-chlorine plant to be built at Acme, N.C.	Mar. 10	18	DDT sale to government	Jan. 27	47	Ethylene production considered, final decision near	Apr. 28	23	Forms commercial development division within its Solvay Process Division	Jan. 6	29	Geismar, La. may lose out as a site for the proposed Allied-Union Texas complex	Mar. 24	17	General Chemical Div. licenses Kali-Chemie to produce fluorinated hydrocarbons	Feb. 17	45	General Chemical Div. - liquid aluminum sulfate plant to be built at Covington, Va.	Mar. 31	21	General Chemical Div. - sulfur hexafluoride plant completed at Metropolis, Ill.	Mar. 17	45	Halogen-polyolefin and tetrafluoroethylene polymer expansion plans; new plant and equipment spending plans	June 2	18	Joint owner of Formosa urea project	Mar. 24	72	National Aniline Div. - 3,3-dichlorobenzene production under way at Buffalo, N.Y.	May 19	128	National Aniline pay hike	Apr. 7	26	National Aniline Div. - polyester coating system	Jan. 13	41	National Aniline - polypropylene dye series	June 9	67	National Aniline Div. - toluene diisocyanate plant to be built at Oxnard, Calif.	May 12	24	National Aniline Div. - urethane coatings demand	Mar. 31	75	Nitrogen Div. - Korean fertilizer project - contract signed with AID for engineering and management advice	June 30	23	Plastics Div. - polyethylene wax production grinds to a halt at Tonawanda, N.Y.	May 5	71	Plastics Div. - polypropylene resale efforts reduced	June 2-18	45	Polyether, Actol 32-160, is key to super-soft flexible urethane foam	June 2	50	Sales and earnings	Apr. 28-24	18	Semel-Solvay Div. is operating new battery of 60 coke ovens at Tonawanda, N.Y.	Mar. 17	94	Solvay Process Div. - bleaching processes for pulps made in the kraft digestion process	Jan. 20	98	Solvay Process Div. - chlorine-caustic expansion at Baton Rouge, La.	Mar. 31	20	Sulfuric acid monopoly suit	May 5	17	Swiss subsidiary formed to develop and expand export business in Europe and the Mediterranean area	Mar. 31	21	Union Texas and Allied merger	Jan. 27-24	9	Wilpette Div. builds naphthalene vacuum-distillation unit for Bethlehem Steel	Mar. 17	102	Allied Chemical Canada Ltd. - consolidates sales and distribution organization for Allied's interests in Canada, assumes responsibility for operations of Brunner Mond Canada	Apr. 7	24	Toluene diisocyanate plant to be built at Samia, Ont.	June 16	44	Allied Chemical S.A. - Allied's Swiss subsidiary will develop and expand export business in Europe and the Mediterranean area	Mar. 31	21	Allied Research Products, Inc. - Detroit experimental lab - modernization	Feb. 10	39	Allis-Chalmers Manufacturing Co. - adjustable-speed drives	Jan. 13	72	Grate-kiln lime plant being built for Dominion Tar	May 12	25	Allison Steel Manufacturing - smog violation at Phoenix, Ariz.	Apr. 21	75	Alloy Electronics Corp. - Electron Beam Symposium	Apr. 14	89	Alloys and Chemicals Corp. - stock offering	Apr. 21	23	Aluminum Ltd. - sales and earnings picture	Apr. 7	17	West German subsidiaries merged into one company	Mar. 17	54	Aluminiumwerke Gottingen GmbH - merges with Aluminiumwerke Nurnberg to form Alcan Aluminiumwerke	Mar. 17	54	Aluminiumwerke Nurnberg GmbH - merges with Aluminiumwerke Gottingen to form Alcan Aluminiumwerke	Mar. 17	54	Aluminum Co. of America - aluminum	Mar. 17	54	powder, Alflake 151	Feb. 3-63	49	Fine-particle pigment	Apr. 14	80	Labor negotiations resumed	Jan. 16	35	Reactivates potline at Point Comfort, Tex.	Jan. 27	47	Aluminum Co. of Canada - leaching process recovers magnesium from ores	June 30	40	Aluminum Safety Products Co. - folding ladder	May 12	72	Amalgamated Sugar Co. - natural-gas-fired vertical lime kiln	Jan. 6	65	Amcel Propulsion Inc. - becomes corporate division of Celanese	Mar. 10	25	American Air Filter Co., Inc. - fume collector	Jan. 20	64	American Brake Shoe Co. - new method adds rare elements to metallurgical "mixes"	Mar. 17	94	American Brazing Alloys - silver brazing alloy	Mar. 10	50	American Can Co. - Bradley-Sun Div. will build polyethylene squeeze tubes plant at Shelbyville, Tenn.	Feb. 17	45	American Chemical Corp. - chlorine for vinyl chloride operations to be acquired from Stauffer	June 16	44	Polyvinyl chloride unit to be built at Long Beach, Calif.	May 19	47	Vinyl chloride-vinyl acetate copolymer production coming	May 5	24	American Chrome Co. - negotiates for deal to smelt chromite ore concentrates from the stockpile	Feb. 10	27	American Cryogenics - Western Oxygen, a division, will build liquefied gas plant	Apr. 21	26	American Cyanamid Co. - antibiotic trade secrets conspiracy case against Biorganic Labs	Mar. 10	23	Antibiotics trade secrets case: John Cancellari, former Lederle chemist, testifies	June 30	22	Applied Chemicals Dept., new name of Petrochemical Dept.	Feb. 10	25	Argentine titanium dioxide venture with Hafslund	June 30	23	Catalytic muffler approved by California Chemicals complex at Guadalajara, Mexico	Mar. 17	54	Creslan advertising program	Feb. 24	45	Executive headquarters moved to Wayne, N.J.	May 5	25	Fly killer called Cygon dimethoate E	Mar. 31	58	Japanese pharmaceuticals venture with Takeda	June 30	23	King John, alerts students to careers in agricultural field	Apr. 21	74	Lederle Laboratories - antibiotic prices slashed	June 23	77	Lederle - co-defendant Sidney M. Fox cited for contempt in antibiotics wrangle	Apr. 14	23	Malcolm, W.G., reports on '62 outlays, overseas projects, and merger plans	Apr. 28	30	Methacrylate plastic sheet expansion plans	June 30	22	Randy Knitwear Cyana warranty case	Mar. 10	102	Salesmen will use safety belts in company cars	Jan. 13	83	South African subsidiary to produce and sell Lederle products	Jan. 6	30	Union turnaround at Farmville, Va.	Mar. 10	102	American Enka Corp. - acquires Hartford Fibres Co., producer of Zantrel fiber	Jan. 13	29	Fine-denier nylon textile yarns expansion	Jan. 6	29	Stull, Philip, predicts big increase in U.S. rayon consumption	Feb. 3	20	American Hoechst Corp. - new name Intercontinental Chemical Corp.	Jan. 13	30	American Home Products Corp. - acquires Blue-Dew Corp.	Mar. 31	14	Whitehall Labs - Outgro false advertising case	May 19	63	American Instrument Co. - diaphragm valve	Apr. 14	79	American Maize-Products - common stock increase and split proposed	May 12	25	Starch phosphates - foreign licensees sought	Apr. 28	73	American Messer Corp. - ventures into gas production	June 2	23	American Metal Climax - potassium nitrate and chlorine plant at Vicksburg, Miss. goes through break-in runs	May 12	107	Southwest Potash Div. - potash project in Saskatchewan	Apr. 7	21	American Meter Co. - instrument probe system licensed from Sun Oil	Apr. 7	68	American Mineral Spirits Co. - plasticizer marketing agreement with Monsanto	Jan. 27	25	American Oil Co. - employee layoff coming	Mar. 17	75	Wage hike at Yorktown, Va.	Apr. 28	70	American Potash & Chemical Corp. - ammonium perchlorate price boost	Mar. 10	89	Develops new product lines to offset lull in lithium sales	Apr. 21	25	Manganese metal plant under construction at Hamilton, Miss.	Apr. 28	81	Sales and earnings for '61	Mar. 10	89	Titanium dioxide plant at Mojave, Calif. will use chloride process	Apr. 14	17	American Rubber and Chemical Co. - world's largest polybutadiene synthetic rubber plant at Louisville, Ky.	Jan. 20	88	American SF Products - axial flow fan	Jan. 20	66	American-Saint Gobain Corp. - plate glass plant at Greenland, Tenn. nears production	Apr. 14	25	American Urethane Inc. - new name of Stauffer-Hewitt	Apr. 14	25	American Viscose Corp. - Avicel plant nears completion, patent granted for use in foodstuffs	Mar. 17	45	Safe reports can be discounted; Herschel Cudd may be new president	June 2	18	Seeks Monsanto stock outlet; Stauffer-	June 2	18	Aviso venture considered	May 19	43	Ametek, Inc. - U.S. Gauge Div. - polypropylene gauge cases	May 19	150	U.S. Gauge Div. - pressure gauge	Feb. 17	109	Amoco Chemicals Corp. - Chicago-area petrochemical plants	Mar. 24	21	Liquid polypropylene series	Feb. 10-53	64	Livesey, P. Craig, takes over as president	May 26	29	a-methyl styrene resin	Apr. 14	80	Trimellitic anhydride plant at Joliet, Ill. on stream	May 12	108	Ampto - photocopying patent suit	June 9	27	Amritlal & Co. - insecticide and fungicide venture with Rohm & Haas	Apr. 28	38	Anaconda American Brass Co. - Mine-Mill union retains bargaining rights	May 26	66	Anaconda Co. - collaborates with U.S. and Mexican capital to build an ammunition and rifle plant at Cuernavaca, Mexico	Mar. 24	72	Copper ore concentrating plant to be built at Butte, Mont.	Jan. 27	26	Extractive Metallurgical Research Division formed	May 5	68	Underground reservoir used to dispose of uranium mill tailing waters	Mar. 17	73	Anaconda Wire and Cable Co. - Raychem acquires Redwood City plant	June 16	44	Analytical Engineering Laboratories - polar polymers	Apr. 14	79	Ancon Chemical - vinyl chloride capacity boost may lead to price cuts	June 16	119	Methyl chloride plant at Lake Charles, La. nears completion	Apr. 14	110	Anic SpA - Casmillon acrylic fiber agreement with Asahi Chemical	May 26	40	Anken Chemical and Film - photocopying patent suits	June 9	27	Antares S. A. - synthetic fiber plant to be built in Greece with Von Kohn	Mar. 24	72	Apex Tire & Rubber Co. - vinyl color concentrates	Jan. 6	74	Applied Pneumatics, Inc. - air-purification system	Jan. 20	64	Aqua-Chem - sales and earnings	Jan. 20	34	Sea-water conversion equipment to be made for U.S. Army	June 30	40	Archer-Daniels-Midland Co. - Ashtabula, O., plant sold to Diamond Alkali	Jan. 13	28	Settles dispute over jurisdiction of structural support work at Mapleton, Ill.	Apr. 7	26	Argonne National Laboratory - Jonke, A.A., reviews developments in radioactive waste disposal	Mar. 17	113	Arkansas Louisiana Chemical Corp. - changes name to Arkla Chemical Corp.	June 16	44	Arkla Chemical Corp. - new name of Arkansas Louisiana Chemical; acquires timber land for new forest products division	June 16	44	Arkota Steel Corp. - Madaras process for direct reduction of iron	Jan. 13	39	Arlan's Department Stores Inc. - Mary Carter agrees to operate three more paint departments	May 26	90	Arlen Chemical Corp. - chelating agent called Sequestrol ARL	Mar. 10	49	Armour Agricultural Chemical Co. - ammonia and ammonium phosphate plants at Cherokee, Ala. phosphate expansion at Ft. Meade, Fla.	May 12	107	Potash ventures in England's North Yorkshire Moors National Park and Canada's Saskatchewan area	Apr. 7	21	Research center to be built near Atlanta	May 5	68	Shelburne, W., predicts record year for fertilizer sales	June 2	58	Armour Industrial Chemical Co. - drain cleaner	May 12	72	Lang, Charles E., new general manager, must boost sagging sales	Feb. 17	43	Oil recovery chemicals	May 12	71	Armstrong Cork Co. - floor cleaner-polisher called One-Step Floor Care	Mar. 3	40	Specialty tiles research department formed	May 5	68	Asahi Chemical - acrylonitrile plant at Kawasaki nears completion	Apr. 28	74	Cashmilon acrylic fiber technology agreement with Italy's Anic	May 26	40	Ashland Oil and Refining Co. - employees cut work week to 38 hours	Mar. 24	90	Offers \$25 million of sinking-fund debentures	Apr. 7	21	Associated Chemical Companies (Britain) - profits down in '61	Apr. 21	56	Astropower, Inc. - research center being built at Irvine, Calif. Industrial Park	Feb. 10	39	Atlantic Commodities Ltd. - U.S. citric distributor for La Citrique Belge	June 2	22	Atlantic Refining Co. - acquires majority interest in Massachusetts Plastics and 100% of its affiliate G.D. Realty Trust	May 26	18	Aromatics venture with Pure Oil on stream at Nederland, Tex.	Feb. 3	66	Atomic absorption spectrometer measures amount of metal in oil in five seconds	June 23	64	Catalyst-cleaning process, Met-X - cost figures	May 26	46	Crefine oil distillation unit at Atreco refinery near Port Arthur, Tex. to be replaced	June 30	23	Diversification into chemicals and plastics planned	Mar. 10	17	Gas burners disperse cooling-tower fog	June 16	148	Southern gas and oil properties for sale	June 23	17	West German subsidiary formed with Ernst Jung to make finished waxes	May 19	58	Atlantic Research Corp. - anti-missile research contract from the Air Force	May 26	76	Beryllium additive for rocket fuels - research program	June 16	92
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Rocket research and development facility at Corolla, N.C.	May 5 68	Becton, Dickinson and Co. - silicone medical materials marketing agreement with Dow Corning	Jan. 27 60	brick to convert cellulose and plastic films	Feb. 24 17
Atlantic Sugar Refineries, Ltd. - trade restriction conspiracy denied	Apr. 21 75	Behrman (Australia) Ltd. - distributor for Du Pont cellulose packaging and industrial film	June 2 34	British Industrial Plastics - building melamine and urea formaldehyde molding powder plant in Mexico with Borden	Mar. 3 21
Atlantic Wire Co. - gold-coated steel process	Apr. 21 105	Bell & Howell - gallium arsenide purification technique	May 12 80	British Petroleum Co. Ltd. - chemical interests will be handled by newly formed subsidiary: BP Chemical Co.	Mar. 24 72
Atlas Chemical Industries Inc. - Aquanese Dept. moved to new plant in Houston	May 12 25	Bell Telephone Laboratories - continuous solid-state ruby maser emits visible light	Feb. 3 57	Ferrofining process for finishing lubricating oils - cost data	Apr. 21 100
Bisphenol-A fumarate polyester resin combines fire retardance and corrosion resistance	May 26 70	Continuously operating solid-state optical maser	Jan. 6 49	British Resin Products Ltd. - thermosetting acrylic paint resin rights acquired from Pittsburgh Plate Glass	Apr. 7 44
Formosan explosives venture with Koahsiung Ammonium Sulfate	June 30 18	Dissociative excitation transfer may lead to a new family of gaseous lasers	June 30 45	British Sulphur Corp., Ltd. - sulfur markets report	Apr. 21 120
Glycerin plant being built at Atlas Point, Del.	Apr. 14 109	Superconductivity of molybdenum depends on purity	Apr. 28 74	Bromund, E. A., Co. - acquired by Cornelius Wax Refining Co.	June 23 26
Plastic linings evaluation test	May 5 47	Yttrium iron garnets for acoustics	Apr. 21 82	Brown FinTube Co. - bayonet-type heater	Mar. 24 97
Reorganizes Chemical Division field sales force	Apr. 28 48	Bemis Bros. Bag Co. - acquires Thermo-plastics Industries	Feb. 17 150	Brusselbach Chemical Co. - nontoxic hair dyes called Percolors	Feb. 24 66
Atlas Powder (Canada) - dextrose-sorbitol plant coming onstream	June 30 39	Bendix Corp. - Friez Instrument Div. - rocket and parachute device spots fires	Jan. 13 30	Brunner Mond Canada, Ltd. - Allied of Canada assumes responsibility for operations	Apr. 7 24
Atlas Powder Co., Ltd. - Sorbitol marketing battle with Howards	Apr. 14 110	Benson, Alex R., Inc. - zinc chloride compound violates hazardous substances labeling law	Mar. 17 67	Brunswick Mining & Smelting - Belgian firm backs lead and zinc venture	June 16 42
Atlas Taiwan Corp. - joint venture of Atlas Chemical and Koahsiung Ammonium Sulfate will make explosives	June 30 18	Berkshire Chemicals - dessicant for use in rubber processing	Mar. 10 21	Brush Beryllium Corp. - USDA provides relief Elmore, Okla. plant	Jan. 20 50
Atomic Energy of Canada Ltd. - heavy-water reactor, CANDU, at Douglas Point, Ont.	Apr. 21 23	Berkshire Technical Products, Inc. - extruding-bounding technique	Mar. 17 96	Brunzeel Suriname Houtschappij N.V. - U.S. Customs Court rules on particle-board imports	June 2 23
Atomic Laboratories, Inc. - low-cost isotopes	Apr. 14 79	Beryllium Corp. - Lowry, Walter, opposes tariffs on beryl	Mar. 3 40	Burns and Roe Inc. - operator for San Diego sea-water conversion plant	Jan. 13 32
Audiger, Inc. - Rockcloth, new textile hardens when wet, builds shelters	Feb. 10 53	Bethlehem Steel - naphthalene capacity increase at Sparrows Point, Md.	Mar. 31 53	Butano S.A. - liquefied petroleum gas unit to be built at La Corona refinery	Apr. 7 24
Austin Co. - phosphate plant has three-phase pollution control system	May 12 98	Beverly Trading Corp. - low-cost vitamins	Apr. 28 32	Bzura Chemical Co. - financial factors take over control of company	Mar. 24 23
Automation Industries Inc. - defect detector kit	Mar. 10 50	Bigelow-Sanford - Zantrel fiber venture sold to American Enka	Mar. 17 102		
Avco Corp. - magnetohydrodynamic electric power generator research program renewed	May 5 68	Binder Cooperage - drum cleaning process research	May 5 27		
Research and Advanced Development Div. - organic ablative coating material	Feb. 24 61	Bi-Nuclear Corp. - merging with International Chemical and Nuclear	May 19 149		
AviSun Corp. - polycarbonate patents, process and technology licensed to CalChem	Jan. 6-27, 59	Biorganic Laboratories Inc. - Cyanamid charges conspiracy to acquire trade secrets for antibiotics	Jan. 13 29		
Wage hike at Newcastle, Del.	Apr. 28 69	Bituminous Coal Research, Inc. - Easy-Flo storage bin emptying device tests are successful	June 30 29	California Chemical Co. - Oronite - fumaric shift - plants from Richmond, Calif. plant	May 12 108
Ayerst Laboratories - U.S. supplier for Astromid, arteriosclerosis drug	June 30 46	Bituminous Coal Research Laboratory - dedication planned	Feb. 3 24	Oronite Div. - improved polyethylenes	May 26 69
Azbe Corp. - natural-gas-fired vertical lime kiln	Jan. 6 66	Black Hills Bentonite Co. - plant for processing reserves west of Kaycee, Wyo, planned	Mar. 10 23	Ortho Division - fertilizer pilot plant will simulate both its own processes and those of other producers	Jan. 16 84
		Blane Chemical Corp. - Custom Compounding Div. - polyvinyl chloride sole and heel compounds expansion program	Feb. 17 106	Polypropylene marketing debut	June 6-27, 59
		Blaw-Knox Co. - Korean polyvinyl chloride project engineer	May 19 50	Thermoplastics customer service lab at Union, N.J.	May 19 50
		Moroccan fertilizer project supervisor	June 9 28	California Corp. for Biochemical Research - joins with Smith Kline & French to develop virus-fighting uses of 5-iododeoxyuridine	May 5 68
		Block Associates, Inc. - indium antimonide crystals for infrared and other electromagnetic detectors	June 30 23	California Mechanical Products - acquired by A&E Plastik Pak Co.	Apr. 14 25
		Blue-Dew Corp. - acquired by American Home Products	June 9 40	California Research Corp. - laboratory and office building to be built at Richmond, Calif.	May 12 94
		Boehringer Sohn, C. H. - research lab to be built at Pointe Claire, Que.	May 12 117	Gallery Chemical - boron plant to be kept open under Air Force contract	Apr. 7 64
		Bon Ami Co. - acquires Tidy House Packaging Corp.	Mar. 24 97	Pentaborane facilities shutting down at Muskogee, Okla.	Jan. 20 30
		Bondo Corp. - piggyback packages for two-part products	Mar. 31 14	Calumet & Hecla, Inc. - Wolverine Tube Div. - titanium finned-tubing	Apr. 7 68
		Bomer & Moore Engineering Associates - Houston consultants use mathematical models to solve complex problems of process plants	June 9 95	Camp Chemical Co. - first CPI firm to join National Stock Exchange	Mar. 17 43
		Booz-Allen Applied Research, Inc. - coal for natural gas production - research efforts	May 12 117	Campana Corp. - acquired by Purex from Dow Campa - Spain's state agency will supply petrochemical raw materials	June 9 40
		Booz, Allen and Hamilton - coal research programs criticized	June 16 135	Canadian Bristol Aerojet Ltd. - joint subsidiary of Bristol Aeroplane and Aerojet-General will produce solid propellants for rockets	June 16 44
		Borden Chemical Co. - counting on chemical sales to double by '66	Apr. 28 77	Canadian General Electric - silicone importers smooth out marketing problems	May 12 108
		Formaldehyde unit at Fayetteville, N.C. completed; unit at Fremont, Calif. due onstream in May	June 2 44	Canadian Industries Ltd. - ammonia plant switches from fuel oil to natural gas as feedstock	Apr. 14 84
		Borden Co. - building melamine and urea formaldehyde molding powder plant in Mexico with British Industrial Plastics	June 16 92	Chlorine-caustic plant to be built at Dalhousie, N.B.	Mar. 31 20
		Comfort, H.W., sets lofty five-year goal for chemical division	Mar. 3 18	Develops technique for improving control of maintenance costs	Feb. 3 73
		Gorg-Wamer Corp. - Pesco Products Div. - solid-state stand-by power supply	Mar. 24 108	Fabrikoid plant - wage hike	Jan. 6 77
		York Div. - thermoelectric air-conditioning system unveiled	Mar. 3 21	Fibromex ammonium nitrate-TNT blasting agent - licenses	Apr. 14 30
		Bowater Paper Corp. - sales and earnings	Mar. 3 18	ICI-Courtauld merger may lead to CIL-Courtaulds (Canada) merger	June 6 27
		Boydell Bros. - acquired by ConChemCo	June 2 71	Mercurial pesticides plant to be built at Calgary, Alta.	Mar. 3 21
		Branson Instruments - Sonic dryer	May 5 36	Salas and earnings	Feb. 10 18
		Breck, John H., Co. - hair colorant pad called Stroke and Color	June 16 135	Canadian Oil Companies - Isomax hydrocracking process to be used at Corunna, Ont. refinery	June 2 24
		Bristol Aeroplane Co. - forms joint subsidiary with Aerojet-General to produce solid propellant	Apr. 28 41	Canadian Pacific Oil & Gas - acquires 51% interest in Great Canadian Oil Sands	May 19 47
		Bristol Co. - dynamometer differential-speed recorder	June 16 44	Can-Amersa Sands Development - Athabasca oil sands application submitted	June 30 22
		Bristol Laboratories - polysaccharides research study with Syracuse University	Jan. 27 44	Carborundum Co. - Fiberfrax, new high-temperature aluminum silicate fiber launched	June 9 61
		Prostaphlin, new staph fighter goes on the market	Feb. 24 60	Carlisle, J.C., Corp. - submits bid for TVA nitric acid plant	Apr. 7 24
		Licensed to Squibb	Feb. 17 148	Carlisle Chemical Works, Inc. - intermediates available in commercial quantities	May 5 41
		Bristol-Myers - pharmaceutical packaging plant to be built at San Bartolo, Mexico	May 19 99	Carlson Products Corp. - moves deeper into plastics molding, acquires interest in Zimmerman Machinery Co.	Jan. 20 37
		British American Oil Co. - cyclohexane plant at Montreal East refinery to be built by Foster Wheeler	Apr. 14 30	Carlson Computer Co. - analog computer	May 5 41
		British American Paint Co. - acquires Stephens Paint Ltd.	Feb. 10 25	Carolina Eastman Corp. - new company formed by Eastman Kodak to take title of 2,000-acre plant site in South Carolina	Jan. 6 22
		British Cellophane Ltd. - forms joint subsidiary with Leeuwarder Papierwarenfabriek	Jan. 13 46	Carolina Nitrogen Corp. - subsidiary of W.R. Grace will serve nitrogen fertilizer requirements of mid-south states	June 16 41
				Carrier Corp. - saline water department formed	Feb. 24 17
				Carter, (Mary) Paint Co. - acquires outstanding shares of Victor Paint	Apr. 14 66

Financial picture bright for both present and future operations	Feb. 24	66	to produce spandex polyurethane yarns and fibers	Feb. 17	45	majority interest in Instituto Quimico Italiano	Feb. 24	15
Victor Paint Co. merger negotiations	Jan. 20	36	Management information center may help slash nylon inventories	June 2	54	Acquires majority interest in Northwest Nitro-Chemicals	Apr. 28	30
Will operate paint departments in Arlan's Department Stores	Jan. 13-45		Chemtronics Research, Inc. - new R&D firm for chemical and food processing, process control and data-processing	May 5	68	Estes ammonia fraud	June 23	22
Carter Products - acquires 75% voting interest in Frank W. Horner Ltd.	Feb. 24	17	Cherry-Burrell Corp. - level sensor	Jan. 20	66	Methanol-formaldehyde output may be used to make caprolactam and polyacetal resins	Apr. 28	23
Aerosol shave-cream battle flares again	Apr. 14	23	Chicago Bridge & Iron Co. - welding technique cuts costs and line in fabricating with aluminum	Mar. 24	123	Monosodium glutamate marketing plans revealed	Apr. 28	81
Rise Shaving Cream false advertising case	May 19	69	Chicago Pharmaceutical Co. - acquired by Alcon Laboratories	Mar. 10	25	Monosodium glutamate patent case	Mar. 10	102
Cartuchos Deportivos de Mexico, SA - new company will operate ammunition and rifle plant at Cuernavaca	Mar. 24	72	Chichibu Cement Co. - computer control of cement processing	Mar. 17	84	Nitromethane tank-car explosion suits	May 19	161
Carwin Co. - continuous-process production of polyisocyanate, PAPI, started at Houston, Tex. plant	June 23	78	Chimimport - petrochemicals export push	Feb. 10	79	Overseas markets sought	Apr. 21	22
Cary Chemicals - acquisition by Diamond Alkali rumored	Mar. 3	14	Chinese Petroleum - joint owner of Formosan urea project	Mar. 24	72	Sales and earnings for '61	Mar. 10	24
Broadens vinyl line with Wacker license on specialty resins	Jan. 13	28	Chiyoda Chemical Construction and Engineering - may subcontract Esso's oil refinery in Kuala Lumpur, Malaya	May 5	38	Commercial Wallpaper Mill - joins forces with Imperial Wallpaper	Apr. 28	60
Will train management and technical personnel for Korean polyvinyl chloride project	June 9	40	Christiana Portland Cementfabrik - Jantzen process to be used to recover lignosulfonate salts from spent sulfite liquor	Apr. 7	63	Commonwealth Oil Refining - naphthalene venture in Puerto Rico uncertain	Mar. 3	13
Castrol Ltd. - bids for control of Expandite Ltd.	May 19	58	Christiana Securities - Du Pont-GM divestiture proposal	Mar. 3	13	Stepan will pay \$400,000 to settle chemical contract	June 2	18
Catalin Corp. - water-soluble phenolic resins licensed to Owens-Corning Fiberglas	Mar. 3	21	Chromedge - acquisition by Reynolds Aluminum of Canada rumored	Mar. 17	36	Compagnie Chimique Merck Sharp & Dohme S.A. - poultry coccidiosis patent infringement suit filed by Robert S. Aries	Mar. 10	24
Celanese Corp. - acetal copolymer, Celcon, to be produced at Bishop, Tex.	Jan. 13	17	Chrysler Corp. - coal-chemical-metal integration	Feb. 24	14	Compagnie de Saint Gobain - Greek fertilizer venture	Jan. 20	29
Acetal resins venture with Hoechst; Ticona Polymerwerke formed	Jan. 20-29		Cycleweld products, including Moto-Prep oil additive - marketing plans	Mar. 17	68	Compagnie Senegalaise des Phosphates de Tabla - phosphates venture with IWC	Feb. 17	41
Amcel Propulsion Co., new division	Jan. 27	24	Debating limited production of turbine engines	Jan. 6	22	Compagnie Industriale de Alcais S.A. - soda ash venture with PPGI	Mar. 24	18
Canadian affiliates undergo changes that will increase output of chemical wood pulp	Mar. 10	25	San Leandro, Calif. plant sold to Kaiser Turbine engines road tested	Jan. 13	66	Compania Industrial de Plasticos - Monsanto Mexicana acquires interest	Mar. 31	21
Celanese Fibers - Celco plant wage settlement	June 16	40	The Churchill Co. - acquired by Puritan Chemical	May 12	25	Companie Industriale - forms joint company in Chile with Unilever to produce and sell detergents, margarine, edible fats	Jan. 6	30
Celanese Fibers - wage pact	Mar. 10	102	Ciba Corp. - Ciba Pharmaceutical dedicates developmental research building at Summit, N.J.	June 9	94	Components Corp. of America - Nostrip Chemical Works opens new asphalt additives plant at Denver, Colo.	May 5	55
Celcon vs. Delrin - new patent ignites battle for polyacetal resin dominance	Apr. 14	37	Moves into photosensitive products manufacture; acquires Tellico, Alfred Faber, and Lumiere	May 12	18	ConChemCo Inc. - acquires Boydell Bros. Moves into ranks of top 10 U.S. paint firms, acquires Old Colony Paint	Apr. 28	60
Foreign markets stressed at annual meeting	Apr. 21	22	Ciba Pharmaceutical Co. - developmental research center dedication at Summit, N.J.	May 5	68	- letter	May 12	22
Japanese acetal copolymer resins venture with Daicel	June 30	18	Cilag-Chemie, AG. - pyridin derivatives	May 19	149	Conco Chemical Co. - changes name to Crain Chemical Co.	June 16	44
Celanese Mexicana - nylon tire cord plant at Toluca	Feb. 17	45	Cities Service Athabasca - Athabasca oil sands application submitted	June 30	22	Connaught Medical Research Laboratories - biological specialties producer aims for "first" in oral polio vaccine	Feb. 3	61
Celanese Polymer Co. - Celcon paint system Polyester resin business in Linden, N.J. sold to Marco Chemical	May 19	149	Cities Service Co. - building Lake Charles, La. butyl rubber plant originally launched by Columbian Carbon	Mar. 31	21	Connecticut Hard Rubber Co. - Rulon in pressure-sensitive tape form	Mar. 10	49
Celgar Ltd. - acquires assets and undertakings of its parent, Columbia Cellulose Co., plans new financing	June 16	40	Cities Service Hex - helium plant contract awarded to Fluor	Mar. 17	45	Consolidated Aerosol Corp. - aerosol packaging plant opened at Westbury, Long Island, N.Y.	Apr. 28	60
Cellulosa y Papel de Colombia - paper from tropical hardwoods - research work	Jan. 13	66	Cities Service Refining Corp. - vacuum distillation unit to be built at Lake Charles, La. by Badger	June 2	24	Consolidated Aluminum Corp. - aluminum ingot production planned; smelter to be built in Tennessee	Jan. 13	26
Celtor Chemical Corp. - hydrometallurgical and fertilizer projects	Feb. 17	45	La Citrique Belge - exports citric acid to U.S.	June 2	22	Consolidated Electrodynamics Corp. - Analytical and Control Div. - moisture	Mar. 17	79
Central Clay Mfg. Corp. - strike ends	May 5	84	Claremont Polychemical Corp. - phosphorescent vinyl colorants	May 5	42	Consolidated Electronics Industries - transfer of Thompson-Hayward to Philips Electronics completed	May 5	25
Central Farmers Fertilizer Co. - ammonia venture formed with three other co-ops	Feb. 24	10	Clark Equipment - technique moves pallets by floating them on air	June 30	46	Consolidated Mining and Smelting of Canada - anodized coating for zinc	Apr. 21-82, 96	
Central Nitrogen, Inc. - ammonia venture set up by four co-ops	Feb. 24	10	Clark Oil & Refining - phenol to be produced by cumene oxidation process	Feb. 3	20	Fertilizer expansion project will double capacity for ammonium phosphate	May 12	22
Central Resources Corp. - Pakistan fertilizer purchase plan	Feb. 24	17	Clark Laboratories - detergent-sanitizer producer expands, diversifies	Feb. 3	62	U.S. tariff concessions sought	Feb. 3	66
Central Soya Co. - Promosoy, soy protein food, plant to be built at Gibson City, Ill.	Jan. 27	60	Cletrac Corp. - merges with Hess Companies, new name is Hess Oil & Chemical Corp.	June 2	24	Urea tariff proposal	Jan. 20	87
Central Trade & Investment Co. Ltd. - Acrylic fiber plant to be built at Ashdod, Israel	Apr. 28	38	Climax Chemicals Co. - hydrochloric acid and sodium sulfate expansion at Hobbs, N.M.	Jan. 20	38	Zinc contest aims at generating new sales ideas	May 5	32
Centre d'Information du Cobalt - survey of world cobalt demand	Feb. 10	72	Cliniscrpts, Inc. - drug sampling plan	Mar. 3	67	Consolidated Natural Gas Co. - synthetic natural gas from coal project	May 26	25
Cerro Corp. - aluminum plants hit snag due to termination of BPA contract	Jan. 20	30	Clinton Co. - acquired by Valspar	Mar. 13	45	Consolidated Paint & Varnish Corp. - insecticide paints called Kil-Sect	Apr. 7	68
Oregon aluminum venture off	Mar. 10	17	Coast Pro-Seal Mfg. Co. - OCAW retains bargaining rights	May 26	66	Consolidation Coal Co. - coal-chemical-metal integration	Feb. 24	14
Certain-Teed Products Corp. - acquires Keasbey & Mattison Co.	May 5	25	Coastal Chemical - anhydrous ammonia expansion half finished; sulfuric acid expansion okayed	Apr. 28	23	Synthetic natural gas from coal project	May 26	25
Ceriumium Alloys and Research Co. - ethylene adhesives	May 26	70	Colgate-Palmolive Co. - aerosol shave-cream battle flares again	Apr. 14	23	Container Corp. of America - Colombian project (Pulpapel) to make paper from tropical hardwoods	Jan. 13	66
Chapman Chemical Co. - moves to new office building	Jan. 27	26	Toothpaste tablet called Bite 'n Brush	Apr. 16	135	Expansion and modernization plans approved	May 5	25
Chase Products Co. - aerosol food processing plant ground breaking	June 16	145	Wage pact at Clarksville, Ky.	Apr. 14	37	Continental Manufacturing Co. - filter-press sampling valves	Feb. 3	79
Chelate Chemical Corp. - acquired by Rockland Industries	May 26	30	Colonial Products - changes ownership and moves to new quarters	June 16	145	Continental Oil Co. - alkene alpha-olefins plant being built at Lake Charles, La.	Jan. 13	72
Chem Flow Corp. - Teflon agitator	Jan. 13	71	Colorado Fuel and Iron Corp. - intermittent oxygen enrichment of blast furnaces pays off	June 9	68	Alfol alcohols provide petroleum-based source of biodegradable detergents	June 2	43
Chemtron Corp. - Chemical Products Div. - Volator adapted for continuous nitration	May 5	61	Colorite Plastic Co. - space bonus honors John Glenn's flight	Mar. 10	102	Alfol alcohols to be supplied to synthetic detergents market	May 26	96
National Cylinder Gas Div. - acetylene plant at Tampa, Fla.	Apr. 14	25	Columbia Cellulose Co. - sulfite pulp mill expansion planned; assets and undertakings to be acquired by subsidiary, Celgar Ltd.	June 16	40	Anrol Div. - electrochemical processing tool promises lower-cost organics	May 19	85
Tube Turns Div. - preassembled welded fittings for jacketed piping	Mar. 24	97	Columbia Gulf Gas Pipeline - jet-powered turbine completes successful 15-month run	Feb. 17	99	Potash exploration in Utah	Feb. 10	24
Chemical and Fibres - established by ICI of India to make polyester staple fiber	May 19	58	Columbian Carbon Co. - butyl rubber plant to be built at Lake Charles, La.	Jan. 20	38	Research center at Ponca City, Okla. dedicated	May 19	50
Chemical & Industrial Corp. - submits bid for TVA nitric acid plant	Apr. 7	24	Cities Service merger plans ratified	Jan. 6	29	Sand-control agent called Permatrol	June 23	93
Chemical and Noble Metal Company Degussa - investments and sales up in '61	Apr. 14	30	OCAW elected bargaining agent at Swartz, La.	May 26	66	Continental Ore Co. - vanadium case: Supreme Court dismisses ruling of lower courts	June 30	26
Chemiefaser Lenzing AG. - new name of Zellwolle Lenzing; new products may boost earnings	May 5	38	Columbium Mining Products Ltd. - financing plan for columbium pentoxide project	Mar. 24	23	Continental Tapes - expansions	May 26	90
Chemische Werke Huels - slow-burning, high-density polyethylene	Feb. 24	62	Combustion Engineering Inc. - will make high-temperature steel	Mar. 31	53	Continental Titanium Corp. - Titanium Development acquires interest	Feb. 17	42
Chemithon Corp. - Try, new liquid detergent made with sulfur trioxide process, debuts	Jan. 6	73	Commercial Resins Corp. - consolidates with Northern Fiberglass and Resco	June 16	44	Cook Paint and Varnish Co. - research labs opened	June 16	145
Chem-Met Corp. - Chicago sanitation officials question ferric chloride prices	May 19	42	Theotropic pigmented coatings called Co-Rezyn Surfascotes	Jan. 20	108	Cooper Chemical Co. - iodides and iodates business acquired by Tennant Chemical Coordinating Research Council - supersonic airliner fuels research contract	Apr. 21	26
Chemoli Industries, Inc. - stock frauds case	Mar. 17	44				Copease Mfg. - photocopying patent suits	June 9	95
Chemore Corp. - polypropylene yarn for marine netting to be marketed for Montecatini	June 23	78				Cornac Photocopy - photocopying patent suit	June 9	27
Chemstrand Corp. - acrilan advertising program	Feb. 24	45				Corn Products Sales Co. - industrial gums series	Mar. 10	49
Acrilan fiber venture in Ashdod, Israel	Apr. 28	38				Methyl glucoside processes ride rising tide of urethane foam usage - June 2-50, Corneliux Wax Refining Co. - acquires E.A. Bromund Co.	June 23	89
Forms joint venture with Polythane Corp.						Corporacion Venezolana de Guayana - pig iron plant to be revamped	Mar. 31	58

Cosden Petroleum - W.R. Grace's proposed purchase plan for acquiring Cosden	Jan. 27	18	Derivados Macro Quimicos - carboxymethyl cellulose expansion; monochloroacetic acid plant planned	Mar. 3	21	seas growth plans	Mar. 17	44
Coty, Inc. - violates FTC order on use of French words	Feb. 10	34	Desoto Chemical Coatings Inc. - primer-enamel called Desoguard	Feb. 24	68	Saran (vinylidene chloride polymer) coating film markets	June 2	57
Coulter Industrial Sales Co. - particle measurement service instituted	Feb. 17	112	Deuterium Corp. - heavy-water patent suit looms	Apr. 21	23	Texas Div. - Leathers, J.M., discusses plant location of product research and development	May 5	65
Courtaulds (Canada) - ICI-Courtaulds Ltd. merger may lead to ICI-Courtaulds (Canada) merger	Jan. 6	27	Deutsche Revlon GmbH - adds Balmian perfumes to sales line	Mar. 17	68	Weed and grass killer products: Noweg and Dowpon debut; Zytron available in liquid formulation	Mar. 17	80
Courtaulds Ltd. - acquisition of Kirkless Ltd. proposed	June 16	36	Devoe and Reynolds - Jones-Datney Div. - thermosetting acrylic coating for autos called Crylites	June 23	64	Western Div. - polystyrene capacity increase at Torrance, Calif.	Feb. 10	25
BHS, new modacrylic fiber	Feb. 24-61,	Mar. 3	Moves toward wider public ownership	Mar. 17	41	Windshield de-icer concentrate	June 9	90
Caprolactam plans	Mar. 31	21	Stock offering to be handled by syndicate	Apr. 21	22	Zelkrome and Zefran advertising programs	Feb. 24	45
Forms joint venture with UM&M to make glass fabrics and fibers for worldwide consumption	Jan. 13	30	Two-for-one stock split approved	Mar. 24	24	Zelkrome, doubleknit fiber, debuts	Jan. 20	41
ICI merger	Jan. 6	27	Dexter Chemical Corp. - nonionic softener Dexter, C. H., & Sons - acquires Lacquer Products	Mar. 10	50	Zetafin copolymer	Feb. 3	58
Creates stir in Canadian fiber industry	Jan. 6	27	Diamond Alkali Co. - acetylene and ammonia units at Deer Park, Tex. near completion	May 19	47	Dow Chemical International S.A. - chemical complex to be built in the Netherlands	Apr. 14	30
Negotiations dropped	Jan. 13	18	Acquires plant in Ashtabula, O. to be used as a semis; breaks ground for bulk liquid caustic soda terminal at Wilmington, N.C.	Feb. 24	71	Dow Chemical of Canada, Ltd. - caustic soda marketing agreement with Inroquois Industrial Chemicals	Mar. 10	90
Four-shares-for-five deal	Jan. 27	18	Acquires plant in Ashtabula, O. to be used as a semis; breaks ground for bulk liquid caustic soda terminal at Wilmington, N.C.	Jan. 13-28,	45	Strengthens position in two areas: packaging, caustic soda distribution	Mar. 17	48
Government may issue statement	Feb. 3	18	Acquisition of Harte & Co. canceled, stock interest acquired	Feb. 10	7	Dow Corning Corp. - Canadian silicone importers smooth out marketing problems	May 12	108
Takeover bid undervalues company	Feb. 3	22	Acquisition program rounds out line of vinyls	June 2	24	Fluorosilicone rubber stocks and rubber base - prices	Mar. 17	102
Government decides not to intervene	Feb. 10	25	Bessemer Cement Div. - expansion at Youngstown, O. plant	Jan. 6	27	Silicone-epoxy coating powder for resistors; silicone potting and encapsulating resin	Apr. 14	80
Financial report lends strength to new bid	Feb. 17	44	Cary Chemicals acquisition rumored	June 9	28	Silicone medical materials marketing agreement with Becton, Dickinson	Jan. 27	60
Merger battle may be nearing final round	Feb. 24	10	Chlorinated Products Div. consolidated into Electro Chemicals Div.	Mar. 3	14	Silicone resin is key to new low-cost silicone paints	May 5	53
Revises merger terms	Mar. 10	24	Deepwater caustic soda terminal nears completion	Feb. 10	25	Silicone rubber for use in making flexible molds	Jan. 20	69
ICI gives up fight	Mar. 17	36	Fiber Chemical Co. integrated into Soda Products-Chrome Division	Mar. 31	45	Simplified silicon doping	Jan. 13	39
ICI defeat: what it augurs	Mar. 24	19	Metal finishing lab at Fairport Harbor, O. Mexican petrochemical project	Apr. 21	26	Technical service task force hikes silicone molding resin sales	June 30	37
Profits for '61	Mar. 24	19	Vinyl chloride expansion completed; Harte & Co. acquisition shelved	May 26	95	Water-soluble monomer	Jan. 6	74
Snia Viscosa interests to be sold	June 16	74	Western Div. - ion-exchange research program expansion	May 26	95	Dow Corning Silicones Ltd. - may go basic in silicones if it is assured of tariff protection	Mar. 3	71
Will provide plant and machinery for triacetate fiber production in Lithuania to Russia's Technosimport	June 9	40	Diamond Crystal - price conspiracy suit acquits - Viewpoint	May 5	68	Will supply silicones to the Canadian market	Jan. 6	22
Craft Products Co. - metal cleaner, Zeo-Treet	May 12	72	Diamond National Corp. - sodium borohydride pulp bleaching mill test	June 30	38	Dowmark Inc. - arc-extinguishing thermoplastic is key to new fuse tube	Apr. 14	125
Crain Chemical Co. - new name of Conco Chemical Co.	June 16	44	Distillers Co. Ltd. - Indian chemical venture with Hercules Powder and Nowrosjee Wadia	May 26	40	Draper, Gaither & Anderson - acquires interest in Special Devices	Feb. 17	45
Crain Industries of America - new companion corporation of Crain Chemical	June 16	44	Phenol-from-cumene process conflict	June 16	43	Dresser Industries Inc. - barite antitrust case heads toward initial ruling	June 30	21
Crane Co. - Cochran Div. - waste-water neutralizing exchanger	Jan. 6	69	Ditto, Inc. - heat sensitive papers patent case decision	Apr. 7	27	Pdbleiniak, Inc., division - portable chromatograph	Apr. 21	95
Cranston Print Works Co., Inc. - sodium chlorite textile-bleaching process installed	Feb. 10	47	Dixon Chemical & Research see Essex Chemical Corp.	Mar. 31	21	Drew Chemical Corp. - Stages a solid comeback	June 30	65
Crest Chemical Corp. - detergent intermediate: dodecylbenzene-sulfonic acid	Mar. 24	97	Dodge-Wasmund Co. - acquired by Fluorocarbon	Jan. 27	37	Du Bois Chemicals, Inc. - sales and earnings	Jan. 20	34
Crestwood Chemicals - continuous nitration process makes organic nitrates	May 5	61	Dole Corp. - bromelains raw material	Mar. 31	21	Vestal Laboratories merger	Feb. 10-58,	Jan. 12
Crossett Co. - Georgia-Pacific moves to acquire majority interest	May 5	25	Dominion Rubber Co. - Naugatuck Chemicals wants tariff protection on insect repellent and herbicide	Jan. 27	37	Duci - acquired by S. C. Johnson	Apr. 7	44
Lumber Division's new plant makes flakeboard from gun wood shavings	June 9	27	Dominion Sugar Co., Ltd. - trade restriction conspiracy denied	Feb. 17	125	Ducilo S.A.I.C. - petrochemical project at Patagonia, Argentina	May 19	36
Crown Zellerbach Corp. - levulinic acid plant to be built at Port Townsend, Wash.	Jan. 6-21,	Mar. 17-36,45	Dominion Tar & Chemical Co. - coal-tar distillation plant at Sydney, Nova Scotia closed down	Mar. 17	101	Dunlop Tire and Rubber Corp. - nylon recovery from automobile tires - progress report	Apr. 21	107
Pulp and paper expansion at Elk Falls Mill in Canada	Mar. 17-36,45	Mar. 24	Grate-kiln lime plant being built near Tacoma, Wash.	Apr. 21	75	Duprial - Garcia, Ramon, discusses Argentina's chemical future	June 16	67
Pushes R&D projects to boost chemical sales	June 23	23	Grate-kiln lime plant being built near Tacoma, Wash.	June 2	58	Du Pont, E. I. de Nemours & Co. - acetylene process - electric arc process may prove to be induction heating process	Mar. 10	69
Strike over at Bopalusa, La.	Apr. 21	75	Phthalic anhydride producer cuts prices in an attempt to gain control of Canadian business	May 12	25	Airvel, English yarn spinning process - Du Pont acquires world patent and trade-mark rights	Jan. 27	38
Crown Zellerbach Paper Co., Ltd. - will market cellulose, PE and Mylar films for Du Pont in western Canada	Mar. 17	48	Donaldson Co. - Hardward and Garden Products Div. sold to Judge Ringer Corp.	Apr. 7	75	Argentine petrochemical plans; Netherlands expansion rumored	May 19	36
Cryogenics Inc. - moves some of its offices to Alexandria, Va.	Mar. 24	24	Dorr-Oliver - FS Disposal System destroys sewage sludge and organic wastes	Mar. 17	69	Atomic energy role broadened; Canadian heavy water project considered	Apr. 21	23
Curtis, (Helene) Industries - broadens product base via acquisitions	Feb. 24	65	Moroccan fertilizer scandal - Viewpoint	May 12	100	Australian cellulose film distribution to be handled by Behr-Manning	June 2	34
Cutter Laboratories - dioxadrol compounds may prove important weapons in ulcer therapy, senility, and local anesthesia	June 23	63	Dorr-Oliver de Mexico, S. A. - will conduct sales, engineering and procurement for Dorr-Oliver in Mexico and Central America	Jan. 27	5	Belle Works rejects OCAW	Apr. 7	27
Cyanamid International - malathion insecticides facility at Catania, Sicily	Jan. 13	30	Dover Chemical Corp. - sodium hypochlorite bleach plant in operation at Dover, O.	Apr. 21	56	Bromine project planned	Mar. 3	30
Cyanamid of Canada Ltd. - dicyandiamide tariff proposal	Jan. 20	87	Doverstrand Ltd. - joint subsidiary of International Latex and Reveretx will produce and sell synthetic latex and rubber in the British Commonwealth	May 5	55	Delrin acetal resins agreement with Showa Neoprene of Tokyo	Jan. 13	17
Sets up subsidiary to carry out exploratory drilling for natural gas at Beachville, Ont.	May 26	30	Dow Badische Chemical Co. - Isobutyl acrylate produced commercially	Apr. 21	56	Delrin vs. Celcon - new patent ignites battle for polyacetal resin dominance	June 9	40
Wage hike	Apr. 28	69	Dow Chemical Co. - acrylic-type latex offered for heavy-duty maintenance paints	Apr. 21	95	Enters process instrument business	Apr. 7	20
DPR, Inc. - depolymerized rubber	May 19	149	Awarded government contract for studies on solid propellants for rocket engines	Apr. 21	68	Ethylene from crude oil process	Apr. 14	84
Dae Han Life Insurance Co. - polyvinyl chloride plant to be built in Korea with Lucky Chemical Co.	June 9	40	Bromine capacity increase at Midland, Mich.	Apr. 7	24	Ethylene-from-crude-oil process: ethane atmosphere is hydrogen source	Apr. 28	95
Duggett & Ramsdell - acquired by Exquisite Form	Mar. 31	14	Bromine purification process	Feb. 3	66	Ethylene-propylene polymer plant to be built at Beaumont, Tex.	Apr. 7	17
Daiichi Tsusho - urea export deal with Red China	Jan. 27	46	Campana Corp. sold to Purex	May 19	100	Expands Brevard, N. C. silicon plant to provide new facilities for photographic materials	Feb. 3	24
Dainippon Celluloid Corp. - acetal copolymer resins and cellulose plastics venture with Celanese	June 30	18	Electrofax reproduction process licensed from RCA	June 16	145	Explosive cladding technique	June 9	67
Datex Corp. - telemetering system	May 19	150	Freeport, Tex. plant prepares for storm season	May 5	61	Film Dept. - Traver polyethylene film patents available for licensing	Apr. 21	26
Davenport Containers Ltd. - Dow will provide technical assistance in return for stock option	Mar. 17	48	Heavy-duty, air-drying maintenance paint	June 23	72	Fluorocarbon refrigerant, Freon-502	Jan. 6	50
Davies Supply & Mfg. Co. - acquired by MacDermid Inc.	Mar. 24	24	Insulated building panels production and marketing planned	Apr. 14	83	Foreign sales stressed at annual meeting	Apr. 21	22
Davis Instruments - combustible-gas alarm	Jan. 13	72	James River Div. - wage agreement	Mar. 3	21	GH-Du Pont case	Feb. 10	17
Dawbam Brothers, Inc. - union rejected	Jan. 6	77	Latex mortar, Sarabond, field tested	June 30	66	Tax relief bill	Jan. 13-31,	Mar. 3
Dean, Ralph R., & Associates - forms Research Chemical Inc. to make water treating compounds	Jan. 13	46	Latex paper coating	Apr. 14	70	Du Pont files divestiture proposal	Mar. 3	13
Debis - Mexican petrochemical project investor	June 16	74	Magnesium die castings treatment	June 2	63	La Buy issues final judgement	Mar. 10	21
Deere, John, Chemical - fertilizer expansions at Tulsa and Pryor, Okla.	Feb. 10	39	Midland Division's new three-year labor contract	Feb. 10	50	Case finally settled	May 5	17
Delavan Manufacturing Co. - level control	Jan. 13	72	Mobile pilot plant tries out new water treatment chemicals	Mar. 24	89	Delaware passes tax relief bill	May 5	84
Dehti Taylor Oil Corp. - refinances in order to increase capital spending program	June 30	23	Phenol plant at Kalama, Wash.-completion postponed	Feb. 24	62	Stock divestiture begun	June 9	25
Deloro Smelting & Refining Co. - Deloro Steelite completes research building at Belleville, Ont.	Feb. 10	39	Polyelectrolytes for sewage treatment	June 16	120	Civil suit filed to block divestiture	June 30	17
Delta-Chicago, Inc. - acquires Glad-Rex Division from Simoni	June 16	145	Reports on sales and earnings and over-	Mar. 17	79	Glutaric and succinic anhydride units being built at Belle, W. Va.	May 19	47
Denki Kagaku Kogyo (Elechems) - Industrial Co., Tokyo - polystyrene plant process design contract awarded to Petrocarbon Developments	Feb. 17	45				Gold-covered cloth, Amalcol, to be used as apparel for workers at rocket launching	Mar. 17	84
						HT-1 polyamide fiber to be studied by Fabric Research Laboratories	May 26	76
						Hydrogen chloride unit to be built at Niagara Falls, N.Y.	Feb. 17	45
						Industrial and Biochemicals Dept. - plastic anhydride available	June 16	135
						Industrial & Biochemicals Dept. will build sodium silicate plant near Augusta, Ga.	Feb. 24	17
						Japanese patent office rules on polyacetal process case	June 23	18

May acquire units from Olin Mathieson's Niagara Falls plant	June 2 18	Emser-Werke A.G. - forms joint subsidiary with Gelsenberg Benzin to produce copolyether-ester fibers	June 23 26	Mogul Div. - metal powders plant slated for Ann Arbor, Mich.	Apr. 21 26
Neoprene expansion at Maydown, Northern Ireland	Mar. 10 18	Endo Laboratories - research, manufacturing and administrative center to be built at Garden City, L.I., N.Y.	May 5 68	Federated Processing Ltd. - submits application for Alberta casinghead gas processing project	Jan. 20 38
Orion advertising program	Feb. 24 45	Engelhard Hanovia - antitrust charges answered	Feb. 3 21	Federation Chemicals, Ltd. - ammonia expansion considered	Apr. 28 23
Pipe-grade polyethylene resin prices	Mar. 3 71	Boring alloys antitrust case fine	Mar. 17 43	Ferguson, H.K., Co. - submits bid for TVA nitric acid plant	Apr. 7 24
Plastic linings evaluation test	May 5 47	Engelhard Industries - beryllium marketing pact with Mineral Concentrates	Feb. 10 23	Ferro Corp. - zirconium-iron glaze stains	Apr. 21 95
Polyethylene film expansions at Buffalo, N.Y., and Richmond, Va.	Mar. 24 24	Engels-Nederlandse Verpakingsindustrie - joint subsidiary of British Cellophane and Leeuwarder Papierwarenfabrik will convert cellulose and plastic films	Feb. 24 17	Ferro-Martin - acquired by Magna Products	Jan. 13 45
Polyethylene price increase	Jan. 6 60	ENI - financing Indian pipeline project	May 12 117	Ferrodynamics Corp. - new method adds rare elements to metallurgical "mixes"	Mar. 17 94
Polyethylene printing process patent joins industry	Mar. 3 19	Enjay Chemical Co. - carburetor detergent called Paradyme 44	Feb. 10 79	Fertilizer Corp. of India - will buy naphtha for proposed Trombay Island plant from Stanvac's Bombay refinery	Apr. 28 38
Polyethylene shipping by bulk truck	Feb. 24 48	Enjay Standard's reorg. - termination of chemical activities may affect Enjay's operations	Mar. 10 24	Fertilizante del Bajio - urea unit at Salamanca	June 30 53
Polyolefin film plant to be built at Clinton, Ia.	Apr. 14 18	Joint venture with GATX to produce denatured alcohol at Bedford Park, Ill.	May 5 38	Fertilizers & Chemicals, Ltd. - diversifies, gradually turns over ownership to private hands	May 19 55
Powder metallurgy process developed	June 23 63	Marketing polyethylene to supplement polypropylene line	June 9 17	Fiber Industries - Fortrel synthetic fiber plant planned	June 2 24
Printed fabric blends technique	June 16 91	Shifts from product emphasis to market specialization	Feb. 10 25	Fibras Quimicas - nylon plant due onstream at Monterey	Feb. 17 45
Proctor and Thayer discuss economics of heavy water production	Feb. 17 120	Eriez Manufacturing Co. - magnetic trap	Apr. 7 76	Fidelity Chemical Products Corp. - epoxy stripper	Mar. 24 98
Programmed instruction cuts training costs 40%, says L.H. O'Donnell	May 26 111	Escambia Chemical - methacrylate plant to be built in Gulf Coast area	Apr. 21 123	Fields Plastics and Chemicals - stock offering	Feb. 3 63
Programmed learning courses for maintenance men	Mar. 17 111	Essex Chemical Corp. - Dixon Chemical changes name and management, discusses joint operating plant deals	Apr. 7 88	Filcon Plastics Corp. - polyester resins acquired from Silmar	Apr. 21 22
Sales and earnings	Jan. 27-17	Esso Research and Engineering Co. - fuel-cell program - Army contract	Feb. 24 36	Fine Organics, Inc. - research labs opened at Lodi, N.J.	May 5 54
Sodium hydrosulfite prices	Mar. 10-90	Information-retrieval emphasis shifts to engineering as Esso opens new Engineering Information Center	June 30 17	Firestone Synthetic Fibers - Spandex elastomer yarn production at Hopewell, Va.	Feb. 10 39
Strike averted at Louisville, Ky.	Apr. 21 74	Synthetic mulch for farms, gardens and lawns	June 30 22	Firestone Tire & Rubber Co. - Air Force contracts for elastomer research and heat-resistant aircraft tires	May 12 94
Titanium dioxide and hydrogen fluoride projects launched	June 2 23	Esso Standard Refining Co. India Ltd. - petrochemicals and lubricant plant proposed for Bombay	June 9 18	Passenger car tire of nylon-cord construction	Feb. 17 126
Titanium dioxide plant may be built at Antioch, Calif.	Apr. 14 17	Ethicon Ltd. - irradiation-sterilization plant using cobalt-60	May 26 66	Wage hike at Hopewell, Va.	Apr. 28 69
TD nickel alloy produced by new process that combines colloidal chemistry and powder metallurgy	June 30 49	Ethyl Corp. - Baton Rouge plant - Allied Oil Workers Union officers fight ouster	Jan. 20 59	Fisher Scientific - magnesia-silica gel for gas chromatography	May 12 71
Traver polyethylene film license rates	May 5 84	Chlorine-caustic project at Baton Rouge, La. revealed	Feb. 17 43	Fisk Research Inc. - appetite depressants	Jan. 27 31
Wage increase sought	Feb. 10 34	Tetraethyl lead marketing troubles	June 2 34	Fisons Ltd. - ammonia project with Esso abandoned	Feb. 17 43
Du Pont of Canada, Ltd. - caprolactam producer seeks tariff protection	Mar. 17 101	Ethylene Plastique S.A. - polyethylene copolymer process	May 5 38	Streamlining of export sales organizations pays off	Jan. 27 48
Crown Zellerbach will be sales agent for cellophane, PE and Mylar films in western Canada	Mar. 17 48	Evanson Argentina SACIlyF - acquired by Riker Laboratories	Feb. 10 39	Fleet, C. B., Co. - new plant planned	June 20 23
Drycleaning compound, Valcene, marketing campaign	Apr. 14 74	Expandite Ltd. - castrol hids for control of Expandite	Jan. 27 61	Flextron Industries - adhesive bonds urethane to fabric	Feb. 3 63
Favors duty-free entry of acrylonitrile into Canada	Feb. 17 125	Exquisite Form Industries - acquires Daggett & Ramsdell	Apr. 21 26	Florida Gas Transmission Co. - new name of Houston Texas Gas & Oil	Apr. 7 24
Polyethylene process for Samia, Ont. plant yields wide density range of resin	Mar. 17 91	Extrudo Film Corp. - OCAW wins bargaining election	Apr. 21 56	Florida Hydrocarbon - natural gas processing plant to be built at Brook, Fla.	Apr. 7 24
Sales and earnings	Feb. 10 18	F&M Scientific Corp. - gas chromatograph .. Sample injector	Mar. 17 54	Flotec Corp. - flow sensor	Feb. 17 109
Durham Chemical Group Ltd. - alloys venture with Kaweco Chemical	Apr. 14 30	FRP Products, Ltd. - Canada's largest plastic trailer tanker goes into service	Jan. 20 69	Fluor Corp. - helium plant to be built for Cities Service at Ulysses, Kan.	Mar. 17 45
Dx Sunray Oil Co. - merger with Sunray Mid-Continental Oil proposed	Feb. 10 25	Fabric Research Laboratories - high-temperature fibers contract now includes work on Du Pont's HT-1 polyamide fiber	Mar. 24 97	Nitrogen fertilizer works to be built for Hawkeye Chemical at Clinton, Ia.	June 16 44
Dynatech Corp. - copper plastimets research	Apr. 21 40	Fairfield Associates - conducting survey of Japanese technology	Jan. 27 44	Stockholders attend annual meeting	Mar. 31 19
Materials research department formed	May 19 50	Fairmount Chemical Co. - common stock is listed on American Stock Exchange	Mar. 24 90	Fluor International S.A. - South African petrochemical units and synthetic rubber plant contractor	June 30 18
Eastman Chemical Products Inc. - ketone solvents marketing plans; acquires liquid bulk storage and blending facilities in Los Angeles	May 26 30	Falk Corp. - motor mounts	Mar. 31 20	Fluorocarbon Co. - acquires Dodge-Wasmund Co.	Mar. 31 21
Polyallomer properties described	Mar. 31 62	Farm Bureau Cooperatives, Assn. - ammonia venture formed with three other co-ops	Jan. 13 78	Financing plans; reciprocal trade agreement with Thermotech Industries	Jan. 20 36
Polyallomers add new dimension to stereopolymers	Jan. 20 111	Fasson Products - cold-temperature adhesive	Apr. 28 101	FMC Corp. - Bames, Carl discusses federal research patent policy	Jan. 20 5
Polyallomers - new stereoregular, highly crystalline plastics	Jan. 13 65	Federal Mogul Bower Bearings - Federal-	May 19 58	Chemical Division produces nerve gas at Wabash River Ordnance Works at Newport, Ind.	June 2 24
Polyethylene additive for wax	May 19 150		Mar. 31 14	Chemical Operations' headquarters moves to new location	June 30 23
Tenite polyallomer price cut	Apr. 14 109		Apr. 7 26	Coal-to-char oil process to be developed for Interior Dept.	May 26 25
Weekend service department set up for customers	Mar. 10 42			Coke from low-grade coal demonstration plant - first reports	Feb. 10 54
Eastman Kodak - acquires plant site in South Carolina	Jan. 6 22			Mineral Products Div. - barium monohydrate plant onstream at Modesto, Calif.	Jan. 27 47
Acquires Terafilm's plant in Orangeburg, N.Y. for Kodar polyester packaging production	May 19 47			New products may boost chemical sales to \$220 million	Apr. 21 25
Chemical growth plans outlined	June 30 22			Niagara Chemical Div. - agricultural pesticides plant at Franklin, N.J.	Apr. 7 24
Eco Engineering Co. - pump seals	Jan. 13 71			Niagara Chemical Div. - pesticide plant at Ennis, Tex.	Apr. 28 60
Edwards Company - signaling device answers phone, reports on process unit	Apr. 21 90			Patent policy proposal	Feb. 24 5
El Paso Natural Gas Products - polyethylene begins flow of joint venture income	Feb. 17 44			Phosphorus chlorides capacity hike at Nitro, W. Va.	Apr. 28 82
Electric Reduction Co. of Canada - engineer cleared of pirating know-how from former employers	Apr. 14 23			Reul, Raymond, discusses advantages of profitability index	Jan. 20 115
Electric Storage Battery Co. - Exide Industrial Div. - storage batteries	Feb. 17 109			Toluene diisocyanate plant being built at South Charleston, W. Va.	May 12 24
Merges Stokes Molded Products Div. with Jessall Plastics Div.	June 2 24			FMC International - Chemical Export Dept. moves to new location	June 30 23
Electrochemical Industries - polyvinyl chloride venture at Acre, Israel	Apr. 28 38			Footo Mineral Co. - HEF interest to be acquired by Hooker	May 12 18
Electronic Associates Inc. - analog computer, PC-12	Jan. 27 43			Moves executive and sales offices from Philadelphia to Exton, Pa.	Jan. 27 26
Electronics Specialty Co. - titanium and "exotic" metals production planned; aircraft components plant to be built at Portland, Ore.	June 9 28			Organometallic operations will offset lull in lithium sales	Apr. 21 25
Electronized Chemicals Corp. - radiation center planned	May 5 68			Perchlorates venture, HEF, Inc., may be dropped	Apr. 21 17
Electro-Optical Systems, Inc. - biological fuel cell research with Sonotone	Mar. 10 70			Receives Air Force contract to investigate the use of lithium compounds in creating and maintaining a breathable atmosphere in space vehicles	June 23 26
NASA contract to study solar cells	Feb. 24 26			Ford Motor Co. - Aeronutronic Div. studies exotic uses of coal	June 2 46
Research and development lab being built at Pasadena, Calif.	May 26 74			Foster Wheeler Ltd. - cyclohexane unit to be built for British American Oil	Feb. 10 25
Elliot-Automation - Rumania purchases electronic control equipment and instruments	June 16 74			Fotochrome Inc. - has option to buy controlling interest in Nypac, Inc.	Mar. 17 66
Emerson Electric Manufacturing Co. - aluminum and glass fiber pressure vessels successfully tested	May 12 80			Fox Brew, Inc. - beer-based hair products to be developed with Rochester Aerosol	May 26 90
Electronics and Avionics Div. - Thermolag heat-blocking compounds debut	May 26 108			Foxboro Co. - analog computer	Jan. 27 43
Emerson Research, Inc. - aerosol patent suit	May 5-18				
Emkay Chemical Co. - fatty alcohol sulfates	Apr. 28 41				
Empire Trust Co. - Wheaton, Donald, speaks at Credit Congress	June 2 33				
Ems-Gelsenberg AG. - joint subsidiary of Gelsenberg Benzin and Emser-Werke, will produce copolyether-ester synthetic fibers	June 23 26				

Digital Systems Div. will integrate the engineering and manufacturing of digital and analog systems for process control	Mar. 10	49	Wire and Cable Dept. - power cables with Vulkene insulation	Mar. 10	50	Great Canadian Oil Sands - Athabasca oil sands application submitted	June 30	22
Freeman Chemical Corp. - thermosetting resins called Nypols	May 12	71	General Mills - guar gum hydrocolloid gelling agent moves out of pilot plant	May 5	61	Canadian Pacific Oil will acquire 51% interest	May 19	47
Fredericks Co. - thermocouple vacuum recorder	June 16	136	General Motors, Inc. - combustible-gas alarm	Jan. 13	72	Great Lakes Carbon Corp. - Canadian subsidiary buys plant to be converted for production of graphite electrodes and specialties	Apr. 21	26
Freeport Sulphur Co. - acquisition of Uranium Reduction off	Feb. 17	35	General Motors Corp. - Du Pont-GM case Tax relief bill - Jan. 13-31, Feb. 3-21	Feb. 10	17	Great Lakes Chemical Corp. - phosphorus oxybromide intermediate	May 19	149
Carrington, John, discusses Canadian sulfur influx	Feb. 3	37	Du Pont files divestiture proposal	Mar. 3	13	Great Northern Paper Co. - engineering and research center at Millinocket, Me.	May 26	74
Cuba's Moa Bay nickel plant - speculation on current status	Mar. 31	57	La Buy issues final judgement	Mar. 10	21	Pulp and paper mill project with Southern Land at Cedar Springs, Ala.	Apr. 28	31
Hills, Robert C., president - key man in a diversification drive	Jan. 20	116	Case finally settled	May 5	17	Great Northern Oil - Pine Bend refinery expansion	May 12	17
Hills, R.C., reports on U.S. consumption of sulfur in '61	Jan. 6	59	Delaware passes tax relief bill	May 5	84	Great Southern Land and Paper Co. - joint venture of Great Northern Paper and Southern Land, Timber and Pulp, will operate pulp and paper mill at Cedar Springs, Ala.	Apr. 28	30
ICC ruling on Canadian sulfur shipment rates upheld	Jan. 6	21	Stock divestiture begun	June 9	25	Green Belt Chemical Co. - forms joint subsidiary with Virginia-Carolina Chemical to produce granular fertilizers	June 23	26
Research and development center planned for Belle Chasse, La.	Feb. 10	39	Civil suit filed to block divestiture	June 30	17	Greenbelt Consumer Services - how co-ops stack up in specialties	June 9	87
Seagriff sulfur mine damaged by explosion and fire	Mar. 31	20	Temstedt Div. uses flue gases for scrubbing chromic acid waste solution	June 30	40	Gromax, Inc. - photoelectric sorter upgrades cement plant feed	Apr. 21	88
Fries Bros. - acquired by Interchemical Corp.	Jan. 6	27	General Motors Diesel Ltd. of Canada - compact freight car called Portager	Mar. 10	44	Grow Corp. - common stock admitted to American Stock Exchange	Feb. 17	45
Fuji Photo Film Ltd. - moves into five new fields in an effort to double sales	May 19	56	General Precision Equipment Co. - Kearfott Div. builds materials research center at Little Falls, N.J.	May 26	74	Gumman Aircraft - awarded flexible incentive contract by Navy for new attack plane	Mar. 31	24
Fuller, W. P., Co. - merging with Hunt Foods	Feb. 3	24	General Precision, Inc. - Link Div. - pipeline simulator	Mar. 3	39	Guardian Chemical Corp. - antiseptic sponge	Apr. 28	41
G. & D. Realty Trust - acquired by Atlantic Refining	May 26	18	General Scientific - biological fuel cell research by Frederick D. Sisler	Mar. 10	70	Gulf Oil Corp. - "alpha olefins project at Cedar Bayou, Tex. - June 2-9, Capital spending increase will finance petrochemicals growth and refinery in Eastern Hemisphere	Jan. 13	30
Gadoth Co. of Haifa and Tel Aviv - joint venture of Gadoth Ltd. and Stanalchem will move U.S. chemicals into the Midwest in bulk	Jan. 20	59	General Time Corp. - Electronic Systems Div. - statistical deviation control system improves process control accuracy	June 16	147	Charcoal fire starter; liquid roach-ant killer	Apr. 28	41
Gadoth Ltd. - forms joint venture with Stanalchem to move U.S. chemicals into the Midwest in bulk	Jan. 20	59	General Tire & Rubber Co. - Akron, O. strike over	Mar. 31	30	Thermal hydroalkylation process gets commercial tryout	Feb. 10	54
Gallard-Schlesinger Chemical Mfg. Corp. - barbituric acid compounds	June 9	89	Employees at Mayfield, Ky. vote on bargaining agent	Apr. 28	70	Gulton Industries, Inc. - cryogenic temperature probe	Mar. 3	39
Garland Co. - roof coating	Mar. 24	98	Polyether urethane foam controversy	June 30	17	Ultrasonic device aims at chemical uses	Feb. 10	53
Gates Engineering Co. - acid liner	Apr. 28	41	Georgia-Pacific Paper Corp. - acquisition of majority interest in Crossett proposed	May 5	25	HEF, Inc. - Foote Mineral wants to sell its interest	Apr. 21	17
Roofing system called Gacoflex	Apr. 7	68	Formaldehyde project at Coos Bay, Ore. - West Coast container divisions management is centralized	June 9	27	Hooker will buy Foote Mineral's 50% interest in HEF	May 12	18
Geigy Chemical - DDT sale to government	Jan. 27	47	Gesellschaft fuer Linde's Eismaschinen AG. - forms joint subsidiary with Hoechst to produce oxygen	June 16	44	Hager S. A. - titanium dioxide venture with Cyanamid	June 30	23
Geiman Instrument Co. - radioactive sampling	Jan. 13	72	Girdler Corp. - Calenoff, Raymond, proposes reorganization of maintenance staffs to cope with automated plants	Jan. 20	59	Hafen Chemicals & Controls, Inc. - metaphosphate-type inhibitor	Feb. 24	68
Gelsenberg Benzine AG. - forms joint subsidiary with Ensser-Werke to produce copolyether-ester synthetic fibers	June 23	26	Settles dispute over jurisdiction of structural support work at Mapleton, Ill.	May 26	105	Solid-state electronic controller	Mar. 10	49
Gelsenkirchener Bergwerks AG. - p-Xyloil plant under construction	May 12	117	Gladning, McBean & Co. - merging with Lock Joint Pipe Co.	Apr. 7	26	Hallam Nuclear Power Facility - sustaining fission without coolant achieved	Mar. 17	96
Gem Color - Rockcloth, new textile hardens when wet, builds shelters	Feb. 10	53	Glasrock Products, Inc. - high-temperature, acidproof foamed refractory called QuartzFoam	June 9	28	Hammemill Paper Co. - seeks approval to install waste discharge pipe into Lake Erie	Apr. 21	75
G-E-M, Inc. - "Fair trade" injunction in Maryland	Apr. 7	27	Glen Alden Coal Co. - hydraulic mining of anthracite	Apr. 14	65	Hancock Telecontrol Corp. - maintenance control	Feb. 3	77
General American Transport Corp. - joint venture with Enjay to produce denatured alcohol at Bedford Park, Ill.	Feb. 10	25	Glidden Co. - three operating groups share profit honors	Jan. 13	39	Handy & Harman - antitrust charges answered	Feb. 3	21
Piggyback car combines three-way loading	Apr. 14	96	Gidol & Snoland Kjemiske Fabrikker A/S formaldehyde plant will use Reichhold's paraal oxidation technique	Feb. 10	24	Brazing alloys antitrust case fine	Mar. 17	43
General Aniline & Film Corp. - divinyl sulfone cellulose cross-linking process licensed from Stevens	Mar. 3	61	Glyco Chemicals Co. - formerly a division of Huisking & Co., has been incorporated as a separate Pennsylvania corporation	Mar. 17	54	Hanna Furnace Corp. - laboratory-size, hot-blast cupola installed at Buffalo, N.Y.	Feb. 10	39
Dyestuff & Chemical Div. - Gantrez AN polymer prices	Apr. 21	107	Goodrich, B. F., Chemical Co. - aerospace and Defense Products Dept. - lightweight nylon-rubber "pillow tanks" called Storltainers	Jan. 13	30	Harjina Salt and Chemical Works - soda ash project with Marubeni Ltd.	Mar. 10	25
Government sale a step nearer reality	Apr. 21	43	Continuous sheet extrusion and compaction process for making rigid vinyl panels	Mar. 17	45	Harshaw Chemical - dyestuff operations at Hastings-on-Hudson, N.Y. transferred to Louisville, Ky.	Jan. 20	38
Stockholders get financial report	Apr. 21	22	Hydrogenation process keeps rubber from cracking	Apr. 28	69	Solar battery made of cadmium sulfide	Mar. 3	62
Werner, Jesse, new president	Jan. 6	28	Keener, J. W., argues for curbs on unions	May 5	62	Hart Products of Canada - discoloration-free hydrotypes	Apr. 7	44
General Dynamics Corp. - Electronics - crystal nonlinear studies	Feb. 10	39	Rubber-lined tank cars in high demand	June 9	55	Diamond Alkali cancels acquisition plans, buys stock interest	June 2	27
Liquid Carbonic Division may be sold to UOP	May 19	44	Goodrich, B. F., Canada Ltd. - polyvinyl chloride expansion at Port Robinson, Ont.	Mar. 10	41	Hartford Fibres Co. - acquired by American Enka	Jan. 13	29
Liquid Carbonic Div. will buy industrial gases from American Messer	June 2	23	Goodrich-Gulf Chemicals - Inside Goodrich-Gulf - report	Mar. 17	45	Harvey Aluminum - expansion and integration program in Caribbean and Ohio Valley	Mar. 17	41
Turns thumbs down on chemical ventures	Jan. 20	35	Labor proposals approved	Apr. 14	48	International Division formed to find additional sources of minerals	Jan. 27	46
Zoning okay given to hydrogen and oxygen plant in Philadelphia	Jan. 6	77	cis-Polybutadiene rubber tread test	Apr. 28	69	Hastings-Raydist, Inc. - E-treadline temperature indicator	May 26	69
General Electric Co. - antitrust complaint involves chemical prices	Jan. 6	76	Goodyear Tire & Rubber Co. - Chemical Div. - polybutadiene rubber plant at Beaumont, Tex. to start full-scale production	Jan. 6	50	Havex Industries - shifts emphasis to light-duty plastic products	May 5	24
Bids to enter atomic fuel reprocessing with AEC's idle "U-Canyon" complex	Jan. 20	98	OCAW loses Niagara Falls election	May 5	72	Hawkeye Chemical Co. - nitrogen fertilizer works to be built by Fluor; nitric-nitrate units by Chemical and Industrial	June 16	44
Coal for electrochemical processing - new applications	June 2	46	Polyisoprene plant at Beaumont, Tex. to go onstream in fall	Mar. 24	90	Hay, John I., Co. - ICC rejects railroads application to buy barge line	Mar. 24	44
Coal gasification using radioactivity - USBM studies	Apr. 21	82	Polyvinyl chloride film prices	June 9	81	Haydon, Bill - thin dc. motor	Mar. 24	39
Communication Products Dept. - push-button radio	June 2	63	Rubber antioxidants theory unveiled	May 19	128	Hazel Bishop - merger with Lanolin Plus approved	Feb. 17	45
Dept. of Interior contract to study hydrogenation of coal in the presence of electrical corona	Apr. 7	63	Rubber-lined tank cars in high demand	Apr. 28	74	Health Plating, Inc. - fish-killing stream pollution case	Feb. 10	32
Ion-exchange membrane cell will power two-man Gemini space capsule	May 19	78	Grace, W. R., & Co. - acquisition of Cosden Petroleum proposed	Jan. 27	18	Hedley, Thomas & Co. - name will be changed to Procter & Gamble Ltd.	Apr. 28	38
Missile and Space Vehicle Dept. - NASA contract to study refractory oxides for solar energy systems	May 5	68	Davison Chemical's plan to reprocess spent reactor fuel rods approved by AEC	Mar. 24	81	Helium Corp. of America - securities to be listed on Montreal Stock Exchange	May 26	30
Ordnance Dept. - direct energy conversion group formed	Feb. 24	60	Davison Chemical Div. - rare-earth polishing compound venture with Molybdenum Corp. of America	Jan. 13	38	Hellenic Chemical Products & Fertilizer Co. - Franco-Hellenic fertilizer venture	Jan. 20	29
Paint plant at Chelsea, Mass. acquired from Unexcelled	Apr. 28	60	Davison Chemical - thorium metal ingot contract from AEC	Mar. 3	62	Hercules Powder Co. - acquires Reasor-Hill	Jan. 6	29
Polycarbonate prices	Jan. 6	60	Grace, J. Peter, steers effective stockholders' meeting	May 26	61	Allegheny Ballistics Laboratory - labor contract	Mar. 17	74
Polycarbonate patent ruling favors Bayer	Apr. 14	21	Hatco Chemical Div. is offering a blend of myristyl-cetyl alcohols	Mar. 24	98	Ammonium nitrate ammonia solutions unit to go onstream at Louisiana, Mo.	June 9	82
Polyester patent fight with Germany's Beck	Apr. 21	23	Nitrogen Div. - ammonia expansion (Point Lisas, Trinidad) and marketing	June 9	17	Cationic polymer, Reten	May 5	42
Silicone emulsion prices	Feb. 17	126	Nitrogen Div. - Caribbean ammonia project aims at overseas fertilizer markets	May 5	21			
Silicone fluid for coolant in airborne electronic equipment	Mar. 17	84	North Carolina nitrogen project launched	June 16	41			
Silicone Products Dept. - curing compound	Feb. 3	63	Sales and earnings	May 19	35			
Silicone Products Dept. - squeeze-tube silicone	May 19	149	Two-for-one common stock split okayed	May 19	47			
Small AC Motor & Generator Dept. - new motor line	Feb. 17	112	Graham Chemical Corp. - common stock offering	May 12	24			
Static control	Jan. 20	50	Graver Water Conditioning Co. - Contraflux Adsorption System, new decolorizing process	Feb. 3	51			
Superheat-reactor fuels program is in trouble	Feb. 10	39	Ion exchange process called Powdex	Jan. 20	100			
Thermionic materials R&D program - Navy contract								

Ethylene-propylene rubber and peroxide products described by Lyle Amberg	June 16	56	Houston	Feb. 17	154	to be built at Painsville, O.	May 26	74
Forms joint venture with Montrose Mexicana to produce Toxaphene insecticide at Salamat	Feb. 24	17	Standard	Apr. 14	35	Industrial Tectonics, Inc. - ball-and-roller bearing lubricants - 19 page report issued	Jan. 20	62
High-energy research division at Wilmington, Del.	Feb. 24	60	Integrates forward into petroleum coke	Feb. 10	25	Industries Chimique Meghrebines - ammonium phosphate and ammonium nitrate venture	June 30	23
Hydroxyethyl cellulose capacity expansion at Hopewell, Va.	June 16	119	Jersey Standard's reorganization of chemical activities may affect Humble's operations	Mar. 17	79	Inflico Inc. - water treating plant for removing settled solids	Jan. 13	39
Indian chemical venture with Distillers Co. and Nowrosjee Wadia	May 26	40	Labor contract at Baton Rouge, La.	June 9	17	Ingalis Shipbuilding Corp. - aluminum barge launched	Feb. 17	70
Monosodium glutamate plans confirmed	Jan. 6	21	OCAW retains bargaining rights at Baytown, Tex. refinery	Mar. 17	74	Ingram-Bloch Corp. - new company will produce petroleum resins	May 26	29
Phenol lawsuit in Italy poses threat for U.S. projects	June 16	43	Reiste, Carl, Jr., predicts increase in demand for petroleum	May 26	66	INI - Esso, Spain, fertilizer project	Apr. 21	18
Polypropylene fiber expansion at Covington, Va.	Mar. 10	18	Texas sites made available for residential and industrial development	Mar. 31	13	Inn Keepers Supply Co. - fast-growing marketer of motel specialties	Apr. 28	55
Polypropylene operations rounded out	Mar. 3	18	o-Xylene contract with Kawasaki & Nippon	Feb. 3	24	Institutional Research Council Inc. - Certified Products List for 1962	Mar. 17	66
Stock split proposed	Jan. 6	28	Shokobel - prices	Jan. 20	87	Instituto Chemioterapico Italiano - majority interest acquired by Commercial Solvents	Feb. 24	15
Stockholders' annual meeting	Mar. 31	19	Humphrey Charcoal - combines operations with Tennessee Products under name Tenn-Brook Co.	May 19	47	Insulation Technology, Inc. - curing insulation for high-temperature use in rockets	Feb. 3	63
Wallpaper and paper mill plants sold to Imperial Paper	Feb. 24	15	Hungerford Plastics - acquired by Air Reduction	May 5	25	Insul-Coustic Corp. - vinyl-acrylic mastic weatherproofs insulating materials	May 12	72
Hess Companies - merges with Cietrac, new name is Hess Oil & Chemical Corp.	June 2	24	Hunt Foods and Industries - merging with W.P. Fuller Co.	Feb. 3	24	Insultronic Corp. of America - electronic testing lab at Farmingdale, N.Y.	Feb. 10	39
Hess Oil & Chemical Corp. - new company formed by merger of Cietrac Corp. and Hess Companies	June 2	24	Huron Chemicals Ltd. - sodium chlorate trade secrets case settled	Apr. 14	23	Integral Motor Corp. - canned pump	Jan. 13	71
Heyden Newport Chemical Corp. - Nuodex Products Div. acquires bright nickel and plating solution business of Seymour Mfg. Co.	Jan. 27	26	Husky Hi Power Refinery, Inc. - molecular sieves used in petroleum alkylation	Apr. 21	90	Interchemical Corp. - acquires Fries Bros. Coating for polyethylene	Jan. 6	27
Newport Industries Div. - Nirez polyterpene resins plant being built at Pensacola, Fla.	Mar. 24	24	Huxley Development Corp. - asbestos marketing agreement with Hidden Splendor Mining Co.	Feb. 3	24	Research quarters to be built in Clifton, N.J.	Feb. 17	150
Polyvinyl chloride stabilizers license to G. Siegle of West Germany	Mar. 17	54	Hydrocarbon Heater Co. - Cryorad heater for vaporizing cryogenic liquids	Apr. 14	120	Intermountain Chemical Co. - acquired by Stauffer	May 26	29
Hidden Splendor Mining Co. - asbestos plant to be built at Coalinga, Calif.	Feb. 3	24	Hydrocarbon Research, Inc. - Formosan fertilizer called settled	June 16	74	International Business Machine - gallium arsenide purification techniques	May 12	79
Higgs & Young, Inc. - agricultural chemical business acquired by Miller Chemical	Jan. 20	38	Hynes Chemical Research Corp. - newly incorporated firm in Durham, N.C.	Feb. 17	152	International Chemical and Nuclear Corp. - will acquire Bio-Nuclear Corp.	Feb. 3	24
High Voltage Engineering Co. - irradiation symposium	June 16	53	Idemitsu Kosan - capital investment cut	June 9	40	Terminal Testing Laboratories	Apr. 28	38
Mobile electron accelerator for industrial radiation jobs	May 5	51	Idemitsu Kosan - capital investment cut	June 9	40	International Finance Corp. - Greek chemical investment		
Radiation center to be built for Electronized Chemicals	May 5	51	Igloo Corp. - spray head	Jan. 6	74	International Latex Corp. - forms joint company with Revertex to produce and sell synthetic latex and rubber in the British Commonwealth	Apr. 21	56
Vacuum valve	May 19	150	Igloo Corp. - water cooler	Jan. 16	136	Nonwoven fabric binder	Mar. 3	40
Hild Floor Machine Co. - spotting kit for rugs and upholstery	Mar. 3	40	Ilikon Corp. - high-vacuum systems	Feb. 17	109	International Minerals & Chemical Corp. - acquires Alamo Lumber Co., May Brothers Inc. and Mud Control Laboratories	Apr. 7	24
Hindustan Antibiotics, Ltd. - Pimpri plant begins production	Apr. 14	30	Illinois Farm Supply - ammonia venture formed with three other co-ops	Feb. 24	10	African phosphates venture	Feb. 17	41
Hodogaya Chemical Co. - polypropylene dyeing process	Apr. 7	64	Imco Container Corp. - union rejected	Jan. 6	77	Employees at Spruce Pine, N.C. elect bargaining agent	Apr. 28	70
Hoechst-Udde - nitric acid process is self-sufficient in energy	Mar. 10	69	Imperial Adhesives - sprayable cement	Mar. 17	79	Monosodium glutamate expansion at San Jose, Calif.	Mar. 31	21
Hoke Inc. - ball valves	Jan. 13	71	Imperial Chemical Industries - acrylonitrile imported from Du Pont while Billingham plant is shut down	Jan. 27	18	Monosodium glutamate producer switches to fermentation route	Mar. 17	41
Hokkaido Colliery and Steamship Co., Ltd. - piloting process to make fertilizer from coal via nitric acid treatment	Apr. 7	58	Antidumping duty requested for East German ammonium sulfate	Mar. 17	43	Potash plant at Saskatchewan ready to process first ore	June 9	68
Holiday Inns of America - world's biggest motel operator	Apr. 28	55	Arteriosclerosis drug called Astromid	Feb. 30	46	Potash reserves at Esterhazy, Sask. - Souris River sealed off	May 12	107
Hoflichem Corp. - quaternary ammonium salts series	June 9	89	Beryllium cladding plant will be shut down	Feb. 17	122	Saskatchewan potash deposit tapped	June 16	120
Holly Sugar Corp. - natural-gas-fired vertical lime kiln	Jan. 6	65	Catalyst separates acetylene from cracked C-2/C-3 gases	Apr. 14	84	Starch phosphates - foreign licensees sought	Apr. 28	73
Sugar beet waste disposal program at Torrington, Wyo.	Apr. 14	37	Coke-based ammonia plants to be closed	June 23	26	Withdraws from Potash Export Assn., sets up own overseas marketing	Jan. 27	24
Homestake Mining Co. - potash project in Saskatchewan	Apr. 7	21	Courtaulds merger	Jan. 6	27	International Paper - Kraft mill to be built at Gardiner, Ore.	May 19	47
Honolulu Oil Corp. - antitrust violation denied by Tidewater	Apr. 14	18	Creates stir in Canadian fiber industry	Jan. 13	18	International Salt Co. - price conspiracy suit acquitted - Viewpoint	June 30	5
Hooker Chemical Corp. - acquires Foote Mineral's 50% interest in HEF	May 12	18	Negotiations dropped	Feb. 24	10	Will explore Bruinsburg Dome at Port Gibson, Miss.	Mar. 24	24
Activated carbon plant to be built at Lucheria, Mexico	June 9	40	Four-shares-for-five deal	Mar. 10	24	Yellow prussiate of soda (YPS) keeps salt from baking	June 23	64
Merging with Parker Rust Proof Co.	Jan. 6	29	Government may issue statement	Mar. 17	36	Interplastic Corp. - formed through consolidation of Commercial Resins Corp., Northern Fiber-glass, and Resco	June 16	44
Phenol process licensed to two Japanese firms	June 9	67	Takeover bid undervalues company	Mar. 24	19	Intirba - Sabin polio vaccine contract with Brazil	Apr. 21	56
Rose nitric acid called Pentac UP	Mar. 17	80	Government decides not to intervene	Apr. 21	18	Iroquois Industrial Chemicals - caustic soda marketing agreement with Dow Chemical	Mar. 17	48
Sales and earnings	Apr. 14	17	Financial report lends strength to new bid	June 2	34	Irving, K. C. Engineering Consultants Ltd. - chlorine-caustic plants still indefinite	Mar. 31	20
Sodium borohydride for pulp bleaching - market development program launched	June 30	38	Merger battle may be nearing final round	Apr. 28	98	Financing Brunswick Mining & Smelting's lead and zinc venture	June 16	42
Stockholders meet, approve Parker Rust Proof merger	Mar. 31	19	Revises merger terms	May 26	40	Israel Phosphates Co. - phosphate process developed	June 9	40
Homer, Frank W., Ltd. - Carter Products acquires 75% voting interest	Feb. 24	17	ICI gives up fight	Mar. 17	54			
Hoskinson, Ltd. - new incinerator promises to clear up smoke problems	Mar. 3	52	ICI defeat: what it augurs	Jan. 20	59			
Houdry Process and Chemical Co. - Litol process ups yield and purity of coke-oven benzene	Apr. 7	55	European manufacturing capacity hike; technology licensing policy to be changed	Apr. 21	18			
Howard Plastics - polyethylene printing process patent suit	Mar. 3	19	Hydrogen to be produced by naphtha reforming process	June 2	34			
Howard & Sons Ltd. - dextrose-to-sorbitol plant coming onstream	June 30	39	Nonyl alcohol price hike	Apr. 28	98			
Glycerol triacetate production under way	June 2	57	Pharmaceutical plant and lab to be built at Macclesfield, near Manchester	June 9	40			
Sorbitol marketing battle with Atlas Powder	Apr. 14	110	Polyethylene plant proposed for Spain's Calvo Sotelo complex at Puertollano	May 26	40			
Howe Sound Co. - Navaco Co., a division, will make rigid vinyl panels	Mar. 10	69	Polypropylene expansion plans revised	Mar. 17	54			
Huber, J. M. Corp. - chemical plants, pigments plant to be built at Elowah, Tenn.	May 26	30	Polypropylene film plant to be built at Dumfries, Scotland	Jan. 20	59			
Hudson Pulp & Paper Corp. - multiwall package called Carry-Ease Side-Handle bag	June 2	30	Sulfuric acid catalyst	Apr. 21	105			
Hudson Vitamin Products, Inc. - Geriban Liquid, vitamins B-12, and Enzotec false advertising charges	May 19	68	Swiss capital sought for overseas projects	May 12	117			
Huettenwaerstoff GmbH - joint subsidiary of Hoechst and Gesellschaft fuer Linde's Eismaschinen will produce oxygen	Jan. 20	59	Imperial Chemical Industries (India) Private - establishes operational firm in India to make polyester staple fiber	May 19	58			
Hughes Aircraft - lasers to be marketed commercially	May 12	80	Imperial Oil, Ltd. - carbon black feedstock and propylene purification units to be built at Samia	June 16	36			
Supersonic airliner fuels research contract	June 9	95	Research labs expansion at Samia, Ont. Submits application for Alberta casing-head gas processing project	Feb. 17	152			
Urethane foam makes "Instant" buildings	May 19	100	Imperial Paper Co. - new firm acquires wallpaper and paper mill plants from Hercules	Jan. 20	38			
Humble Oil & Refining Co. - benzene capacity	Mar. 10	89	Imperial Smelting Corp. Ltd. - fluorinated aromatics unit to be built with Birmingham University	Feb. 24	15			
Builds lab at special products plant in			Imperial Wallpaper - joins forces with Commercial Wallpaper Mill	Apr. 28	60			
			Indian Drugs and Pharmaceuticals Ltd. - antibiotics plant at Rishikesh, Uttar Pradesh	Apr. 14	30			
			Indiana Farm Bureau Cooperative Assn. - ammonia venture formed with three other co-ops	Feb. 24	10			
			Industria Nacional Quimico Farmaceutica - methanol plant plans cleared	Mar. 3	21			
			Industrial Grain Products Ltd. - Japanese monosodium glutamate dumping charges	Jan. 13	78			
			Industrial Rayon Co. - fiber research center					

Maytag Co. - Umbreit, George predicts bright future for appliance industry	Mar. 31	13	lightweight paper mill project	May 5	25	Mt. Wheeler Mines, Inc. - Williams, James, opposes tariff protection for beryllium	Apr. 28	32
McCue-Gilbert, Inc. - new specialty chemicals firm	Mar. 17	68	Mississippi-Red River Transport Co. - Hydrojet tug may open "un navigable" rivers to barge traffic	Apr. 28	45	Mystik Adhesive Products, Inc. - tape trademarks suit with 3M	May 5	84
McCutcheon, John W., Inc. - detergents and emulsions booklet - 4th edition	Feb. 24	66	Mitsubishi Chemical Construction and Engineering - contractor for Esso's Malayan refinery	June 2	34			
McGraw-Edison Co. - Line Material Industries - arc-extinguishing thermoplastic is key to new fuse tube	Apr. 14	125	Mitsubishi Chemical Industries - phenol process licensed from Hooker	June 9	67	Nafton, Inc. - fungicide-gemicide for varnishes and paints	Mar. 3	40
McKesson & Robbins - aptitude tests used in hiring salesmen	Jan. 27	34	Mitsubishi Yuka - petrochemicals venture with Germany's BASF	Jan. 27	46	Nalco Chemical Co. - continuous ion-exchange process controls scaling in saline water evaporators	Apr. 14	28
McKinsey & Co. - foreign sales, assets, earnings revealed by 100-company study	Jan. 13	27	Mitsui Chemical Industry - phenol process licensed from Hooker	June 9	67	NAPPE Corp. - waste water sampler	Apr. 28	41
McNally-Pittsburg Mfg. Co. - Easy-Flo storage bin emptying device	Feb. 17	106	Mitsui Petrochemical Industries - withdraws application to set up tetraethyl lead plant based on foreign process	Mar. 24	72	Nashua Corp. - cold-sealing flexible packaging material eliminates need for heat-seal and glue equipment	June 9	89
Mead Johnson - three-to-one stock split	May 12	25	Mitsui Polychemicals - withdraws application to set up tetraethyl lead plant based on foreign process	Mar. 24	72	National Bagasse Products Corp. - Vacherie, La. plant to process fibrous waste of sugar cane into panel boards	Apr. 14	74
Meaker Co. - rosin flux remover	Jan. 13	46	Mobay Chemical Co. - fungicides keep bacteria from attacking urethane foams - new method	Feb. 3	54	National Bank of Greece - Franco-Hellenic fertilizer venture	June 9	27
Mearl Corp. - synthetic pearls and related pigments laboratories at Ossining, N.Y.	May 26	76	Mondur MR isocyanate production	May 5	41	National Beryllia Corp. - Windecker, C. E., opposes tariffs on beryl	Jan. 20	29
Mechling, Al L., Barge Lines, Inc. - expands fleet of oceangoing barges	Apr. 7	88	Multimillion-dollar expansion program for urethane raw materials	Feb. 3	17	National Cooperatives, Inc. - how co-ops stack up in specialties	Apr. 28	32
Meissner Engineers, Inc. - computer-drafting system	June 9	76	Polyether urethane foam controversy	June 30	17	National Dairy Products Corp. - Humko Products - fatty acid called Hystrene	June 9	85
Merck & Co. - Aries-Merck case - British consultant testifies against Aries; Aries charges smear attempt	June 2	20	Urethane foam spraying of mine walls	June 23	78	Humko may acquire site in Memphis from Plough	Mar. 17	79
Conner, J.T. discusses drug hearings at Pharmaceutical Advertising Club	Jan. 20	36	Mobil Chemical - joint owner of Formosan urea project	Mar. 24	72	Offers \$35 million sinking-bond debentures	May 12	25
Employee stock purchase and savings plans	Mar. 17	73	Mobil China Allied Chemical Industries - formation of new urea producer approved by Chinese Nationalist government	Mar. 24	72	National Distillers and Chemical - acquires complete ownership of Reactive Metals Federal Chemical Co., a division, acquires fertilizer plant at Cranbury, N.J. from Unexcelled Chemical's Bennett & Clayton division	Apr. 7	21
Merck Sharp & Dohme Div. builds air-conditioned plant at West Point, Pa.	Jan. 27	26	Molded Fiber Glass Body Co. - builds new plastic products plant	June 2	24	National Dynamics Corp. - aerosol tire inflators	Mar. 10	25
Merck Sharp & Dohme Research Laboratories expansion at West Point, Pa., and Rahway, N.J.	June 9	95	Molybdenum Corp. of America - rare-earth polishing compound venture with Davison Chemical	Jan. 13	38	Federal chemical division acquires Kingsbury & Co.	Apr. 14	25
Monosodium glutamate patent suit	Mar. 10	102	Mona Industries - anionic surfactant, Monamulise RS	June 2	63	Oregon aluminum venture off	May 19	47
Polyethylene caps to be used on ether cans	Mar. 31	45	Di-tridecyl sulfosuccinate added to series of wetting agents	June 2	63	Sales and earnings for '61	Mar. 10	25
Quinton Co., new division; will market proprietary drug products	June 30	23	Monitor Systems, Inc. - analog-to-digital computer recorder	May 5	41	Takes title to former Reactive Metals plant at Youngstown, O.	May 19	47
Research spending will reach new high in '62	Mar. 24	17	Monsanto Chemical - acquires majority interest in Societe Monsanto Boussols	May 26	96	National Gypsum Co. - Bureau of Advance Housing at Princeton, N.J. Expanding Mobile, Ala. building materials plant	May 26	90
Stock listed on European stock exchanges	May 19	58	Alum prices	Mar. 31	21	Expanding Mobile, Ala. building materials plant	Jan. 6	29
Vitamin B-12 patent case decision	May 26	28	Avico seeks outlet for Monsanto stock	Mar. 3	72	Oil-base paints production planned	Jan. 23	18
Vitamin B12 smuggling case - Feb. 10-24	Feb. 17	44	Canadian maleic anhydride plant will be reactivated	May 19	43	Urethane foam facilities added to Raritan, N.J. plant	Mar. 17	45
Merck Sharp & Dohme of India Ltd. - pharmaceuticals venture with Tata Sons	Apr. 14	30	Catalyst for sulfuric acid manufacture	Feb. 24	62	National Helium Corp. - world's largest helium extraction unit being built at Liberal, Kan.	May 12	25
Mercury Chemical Corp. - acetic anhydride, 99% grade	Apr. 7	68	Chemstrand is new division	May 26	69	National Lead - barite antitrust case heads toward initial ruling	June 30	21
Merrell, Wm. S., Co. - research facilities expansion at Cincinnati	Feb. 17	152	Chlorine-caustic project at Monsanto, Ill.	May 5	25	Encapsulation process goes commercial	June 2	49
Merritt-Chapman & Scott - will sell part of its interest in Devco & Raymonds	Mar. 24	24	Direct computer control of instrument loops has been achieved at Texas City, Tex. ethylene plant	Mar. 31	20	Titanium Alloy Manufacturing Div. - labor contract	May 16	48
Metal & Thermit Corp. - merger question gets favorable court ruling	Mar. 17	35	Employee tax and earnings to be reported on magnetic tape	Feb. 24	10	Titanium Alloy Mfg. Div. - wage hike	May 5	84
Physical fitness program launched	Apr. 21	22	Foreign subsidiaries report sharp setbacks	Feb. 24	10	Underground trespassing charges leveled against Magnet Cove Barium Corp.	Jan. 13	18
Stockholders meeting	Apr. 21	22	Gillis, John L., speaks out on pricing problems - Viewpoint	May 26	5	National Linen Service Corp. - merging with Zep Mfg. Co.	June 9	26
Metal Hydrides, Inc. - quaternary ammonium borohydride	June 16	135	Hempel, A.R., says reinforced plastics may cut equipment costs	Feb. 17	99	National Patent Development Corp. - Feldman, Jerome aims to line up licensing agreements with Russians	Feb. 24	16
Sodium borohydride for pulp bleaching - market development program launched	June 30	38	Hydrocarbons Div. closes offices in Shreveport and New Orleans, transfers functions to Houston, Tex. headquarters	Apr. 28	30	National Phosphates phosphoric acid expansion completed	May 5	71
Metal Skin Corp. - Saran coating developer	June 2	58	Louisiana water pollution suits	June 9	55	National Polychemicals - Kempro foaming agents expansion	Jan. 13	30
Metalform Laboratories - tetraphenylgermane in developmental quantities	Apr. 14	79	Phenolic resin prices	June 16	120	National Research Corp. - awarded contract to study thermodynamic properties of ultrafine alloy powders	Feb. 10	39
Mettler Instrument Corp. - radioactive-materials balance	June 9	90	Plasticizer marketing agreement with AMSCO	Jan. 27	25	Cold-welding copper technique	Apr. 21	86
Michelin Tire Co. - denies reports that it will sell Citroen interests; acquires site near Bordeaux for rubber plant	Mar. 10	25	Plastics Division enters polypropylene field	Mar. 17	42	Space-simulation chambers increased to nine	May 26	76
Michigan Chemical Corp. - bromoacetic acid acid in pilot-plant quantities	Mar. 24	97	Polyvinyl chloride venture at Acre, Israel	May 12	32	Superinsulator for cryogenics called NRC-2	Jan. 27	38
Pharmach Laboratories Div. assets sold	May 19	47	Portable blending unit for explosives	Feb. 3	49	National Rubber Machinery Co. - continuous sheet extrusion and corrugation process for making rigid vinyl panels-Mar. 3-62	Mar. 10	69
Pharmach Laboratories Div. assets sold	May 19	47	Plasticizer marketing agreement with AMSCO	Jan. 27	25	National Starch & Chemical Corp. - acquires plant in Los Angeles to handle southern California distribution of adhesives, starches and resins	Jan. 6	29
Mid-South Chemical Corp. - fish-killing stream pollution case	Feb. 10	32	Royalty verdict in Mississippi oil field development case	Feb. 3	49	American Parboard particleboard operation dropped	June 9	27
Midwest Chemicals Ltd. - South American potash project considered	Apr. 7	21	Stockholders attend annual meeting	Mar. 31	19	Door adhesive	June 30	7
Midland Industrial Finishes - silicone-incorporating maintenance paints debut	May 5	53	Monsanto Chemical (Australia) Ltd. - phenol plant will use direct-oxidation route	June 2	50	Fire-retardant for paper	Mar. 24	98
Midwestern Color Works - industrial coating	May 12	71	Phenol project to use SD's new benzene-cyclohexane process	June 16	74	Goffstown, N.H. particleboard plant shut down	Mar. 3	40
Miles Chemical Co. - polynucleotides for research use	June 16	135	Monsanto Canada Ltd. - phenacetin business dropped	June 16	120	Integrating into monomers and other chemical intermediates	May 12	25
Miles Laboratories - international research organization dedication at Elkhart, Ind.	June 9	95	Monsanto Mexicana S. A. - acquires interest in Compania Industrial de Plasticos	Mar. 31	21	Nederlandsch Verkoopkantoor voor Chemische Producten (NVCP) - doubles staff to meet Common Market competition	Feb. 10	75
Stockholders approve common shares increase	Jan. 27	26	Monsanto Research Corp. - Americium nuclear sources	May 12	71	Neo-Quest Chemical Co. - hydrochlorothiazide mislabeling case	June 30	22
Miller Chemical Corp. - acquires agricultural chemical business of Higgs & Young, Inc.	Jan. 20	38	Radioactive sources	Mar. 3	39	Netherland Chemie - new name taken over by Shell Nederland Chemische Fabrieken for marketing functions	Jan. 13	30
Millmaster Chemical Corp. - methyl carbamate process	Mar. 17	96	Montecatini - dyallite polypropylene fiber called Meraklon - Jan. 20-70, Jan. 27-25	May 23	78	New Jersey Zinc Co. - diversifies, moves into anhydrous ammonia field	May 26	27
Mills-Pearson Corp. - Dianol Div. - bug-killing paint insecticide	Feb. 10	59	Ethylene-propylene rubber described by Giulio Natta	June 16	56	New Mexico Janitor Supply Co. - acquired by Zep	Jan. 13	45
Mimx Corp. - acquired by Special Devices	Feb. 17	45	Indian polypropylene venture	May 19	58	Newhill and Eamsawick - Alnwick, new yarn spinning process licensed to Du Pont	Jan. 27	38
Minidustrial Corp. Ltd. - acquires controlling interest in Aerosol Packaging	Mar. 31	14	Petrochemical complex at Brindisi, Italy onstream	May 5	38	Nichimen - rayon yarn export deal with Red China	Jan. 27	46
Mineral Concentrates and Chemical Co. - beryllium processing venture with Engelhard	Feb. 10	23	Sales and earnings; debenture loan planned	June 2	34	Nichols Engineering & Research Corp. - spray dryer	May 5	41
Minerals Engineering Co. - antitrust suit against Susquehanna-Western over vanadium venture	Mar. 24	89	Montrose Chemical - DDT sale to government	Jan. 27	47	Nippon Oil Group - capital investment cut	June 9	40
Minneapolis-Honeywell Regulator Co. - automatic programming system for digital computers called CLEAR	Mar. 3	62	Montrose Mexicana - forms joint venture with Hercules to produce Toxaphene insecticide at Salamanca	Feb. 24	17	Nissan Kagaku Kogyo KK - phosphoric acid and gypsum process details revealed in South African patent application	June 23	90
Infrared detector tube	June 16	136	Moore Associates, Inc. - telemetering transmitter	Jan. 13	71			
Special Sensor Products Group - dewpoint sensor	June 9	89	Moore, W. L., Drug Exchange, Inc. - Peritrate trademark infringement case	Apr. 14	37			
Special Sensor Products - humidity sensor	May 19	150	Morningstar-Paisley - potato and modified starch production at Houlton, Me.	Mar. 3	48			
Valve Div. - motor actuator	Apr. 21	95	Morrison, Harry, Mfg. - curtain coating device	Feb. 17	75			
Minnesota Mining and Manufacturing Co. - heat sensitive papers patent case decision	Apr. 7	27	Morse Manufacturing Co. - drum rotator	Feb. 17	110			
Sales and earnings	May 19	36	Morton Chemical - light-colored styrene polymer emulsions developed	May 26	82			
Tape trademarks suit with Mystik	May 5	84	Morton Salt Co. - price conspiracy suit acquittal - Viewpoint	June 30	5			
Mississippi Chemical - fertilizer expansions	Apr. 28	23						
Yazoo City, Miss.								
Mississippi Land and Timber Corp. - federal industrial loan granted for								

Nitto Spinning - polypropylene dyeing process	Apr. 7	64	Owens-Illinois Glass Co. - corrugated shipping box plant to be built in Memphis, Tenn.	May 12	32	Petroquímica Argentina S. A. - petrochemical complex plans move ahead	June 30	23	
Nopco Chemical - plans an issue of debentures to retire bank notes	May 19	45	Glass container expansions at Portland, Ore. and Tracy, Calif.	Feb. 24	72	Pettibone-Chicago, Inc. - crystalline phosphoric acid	Mar. 24	97	
Starch lubricant	Feb. 3	63	Polyethylene bottles plant to be built at Baltimore, Md.	Mar. 24	24	Plaudier Pemutit Inc. - Ionac Chemical Co. - waste water treatment research contract	Feb. 24	60	
Toluene diisocyanate plant at Linden, N.J., nears completion	May 12	24	Tail oil fractionating process debuts, plant to be built at Valdosta, Ga.	June 16	42	Plaudier Co. - manhole protection rings	June 9	90	
Noranda Mines Ltd. - research lab to be built at Pointe Claire, Que.	June 9	95	Oxford Natural Products Ltd. - subsidiary of Cyanamid of Canada will carry out exploratory drilling for natural gas at Beachville, Ont.	May 26	30	Plaudier Co. - vertical furnace processes glassed-steel pressure vessels	Mar. 17	96	
North American Aviation, Inc. - Atomic's International - traffic tickets will be processed by welfare-recreation department	Feb. 3	49	Ozark-Mahoning Co. - fluorine compounds	Apr. 7	68	Pfizer, Chas. & Co. - AMA approves killed-virus vaccine for measles	Feb. 17	100	
Portable electron-beam welder	Mar. 3	62				Antibiotics maker reimburses retail pharmacies for sales made at earlier higher prices	June 30	54	
Stem, Marvin, new corporate vice-president of research	Mar. 31	23				Antibiotic prices slashed	June 23	77	
North American Car Corp. - compact freight car	Mar. 10	44				Diversifies into inorganic pigments through acquisition of C. K. Williams	June 16	44	
North American Coal Corp. - diversifies into chemicals; cash dividends cut to help finance plans	Jan. 27	26				Food emulsion stabilizer	Apr. 14	80	
Dividends cut	Jan. 20	20				House-to-house selling through Watkins Products considered	Feb. 3	17	
Northern Fiberglass - consolidates with Commercial Resins and Resco	June 16	44	Pacific Carbide and Alloys Co. - vinyl acetate plant closed due to price drops	Feb. 3	65				
Northrop Corp. - beryllium extrusion process	Feb. 17	120	Pacific Coast Paper Mills - wage increase	June 2	54	Pfizer Ltd. (Gr. Brit.) - files suit against British Ministry of Health for purchasing antibiotics from unlicensed foreign manufacturers	Apr. 7	24	
Northwest Cooperative Mills, Inc. - ammonium phosphate plant tries three-phase pollution control system	May 12	98	Pacific Gas & Electric Co. - lowest-cost power from a nuclear reactor predicted for proposed Bodega Bay, Calif. plant	Mar. 24	82	Polyethers production planned, reselling agreement with Jefferson Chemical is first step	June 2	34	
Northwest Nitro-Chemicals Ltd. - Commercial Solvents acquires majority interest	Apr. 28	30	Nuclear power plant plans - further hearings scheduled	June 2	17	Philadelpia Electric Co. - Southwest Station - ion exchanger cuts water neutralizer costs	Jan. 6	69	
Norton Co. - molecular sieve material called Zeolon	Apr. 7	68	Pacific Petroleum - natural gas processing project at Empress, Alta. with Trans-Canada Pipe Lines	June 23	26	Philadelpia Laboratories, Inc. - building structure at Philadelphia Industrial Park	May 12	94	
Novamont Corp. - OCAW elected bargaining agent at Kenova, W. Va.	May 26	66	Pacific Power and Light Co. - project to upgrade normally nonoking coal	Jan. 20	70	Will build combination plant, lab, warehouse and office in Philadelphia	Apr. 28	30	
Nowosjee Wadia and Sons - chemical venture with Hercules Powder and Disasters Co.	May 26	40	Pacific Powder Co. - explosion suits - ettlements	May 19	161	Philco Corp. - environmental test center at Philadelphia made available to industry	May 5	68	
Nuclear Chicago Corp. - radiation measuring device	Feb. 17	112	Pall Corp. - filter medium for sterilizing water under development	Feb. 3	57	Philips Electronics and Pharmaceutical Industries - transfer of Thompson-Hayward from Consolidated Electronics completed	May 5	25	
Tritium tagged compounds	Apr. 21	95	Pamlico Mining and Chemical Co. - North Carolina phosphate deposit bid submitted	June 16	41	Philips Gloeilampenfabriek - emphasizes U.S. operation in major expansion plans for world drug empire	May 12	118	
Nuclear Corp. of America - Instrument and Control Div. - pocket-size radiation monitor	Mar. 3	40	Phosphate land acquired in Beaufort County, N.C.	May 5	18	Philips Roxane Inc. - subsidiary of Philips N.V. is growing U.S. drug power	May 12	118	
Nuclear Materials and Equipment Corp. - neutron source of americium and beryllium	Apr. 14	79	Pan American Petroleum - Honolulu Oil acquisition - Tidewater denies antitrust violation	Apr. 14	18	Phillips Petroleum Co. - ball-bearing mock-up determines best bearing arrangement and lubrication method for electric motors	Feb. 17	105	
Nuclear Metals, Inc. - beryllium extrusion process	Feb. 17	120	Panned Pharmaceuticals, Inc. - Botnone, Caesar answers vitamin B-12 smuggling charges	Feb. 17	44	Helium extraction plants under construction at Dumas, Tex. and Guymon, Okla.	Mar. 17	45	
Nypac, Inc. - vitamin K and lucaine hydrochloride painkiller - new products	Mar. 17	66	Botnone, Caesar, arrested in vitamin B-12 case	Feb. 10	24	Natural gasoline, propane and butane plant being built at Jefferson Davis Parish, La.	Mar. 17	45	
			Botnone, Caesar, convicted of mislabeling hydrochlorothiazide; participation in antibiotics trade secrets conspiracy revealed by former Lederle Chemist	June 30	22	Uranium processing mill shutdown considered, Kemac Nuclear will handle processing	May 5	25	
Oak Ridge National Laboratory - isotope development center established	Feb. 17	152	Vitamin B-12 patent case settled, smuggling case still open	May 26	28	Phoenix-Rheinrohr - fertilizer equipment negotiations with Standard Oil	Mar. 3	14	
Ohio Oil Co. see Marathon Oil Co.			Parke, Davis Co. - chloromycetin malpractice suit at Cottage Grove, Ore.	Mar. 17	73	Phoenix Steel Corp. - Seamless Tube Div. - rotary forging technique produces carbon and low-alloy steel pipe lined with stainless steel	Apr. 7	71	
Old Colony Paint & Chemical Co. - acquired by ConChemCo	May 12	22	'Fair trade' injunction involves G-E-M	Apr. 7	27	Pittsburgh Chemical Co. - polyvinyl chloride plasticizer	May 19	149	
- letter	June 30	7	Loynd, Harry, opposes medicare bill	June 23	43	Pittsburgh Cidasa Products Quimica S.A. - joint venture of CIDASA and PPGI will build soda ash plant in Argentina	Mar. 24	18	
Olin Mathieson Chemical Corp. - Brandenburg, Ky. units prepare for production after explosion	Apr. 28	82	OCAW contract rejected by IAM members	May 12	28	Pittsburgh Coke & Chemical Co. - coal-chemical-metal integration	Feb. 24	14	
Chemical Div. - critical-path scheduling used in planning move of headquarters from Baltimore to New York	June 9	51	Parker Rust Proof Co. - Hooker Chemical merger	Mar. 31	19	Sets up joint subsidiary with Shengao Furnace Co. Coke and Iron Division facilities will be transferred to new operation	Apr. 14	25	
Chlorine bleach plant to be built at Charleston, Tenn.	Apr. 7	24	Parsons, Ralph M., Co. - will evaluate process for making 100-octane gasoline from coal	May 26	25	Pittsburgh Plate Glass Co. - Chemical Div. - barium chemicals plant at Natrium, W. Va.	Mar. 3	21	
Chlorine-caustic plant at Charleston, Tenn.; HTH hypochlorite plans reaffirmed	Feb. 3-17,		Parsons-Plymouth, M. W. - acquired by Penick	Mar. 3	21	Chemical Div. - South African chrome ore to be processed at new plant at Corpus Christi, Tex.	May 26	30	
Corporate image evaluation study	Apr. 7	25	Parsons-Plymouth, R. M. - contractor for Esso's Malayan refinery	June 2	34	Corona Chemical Div. - wage pact	Apr. 14	37	
Glycerin unit at Doe Run, Ky. in operation	Apr. 14	109	Pearsall Chemical Corp. - titanium trichloride technology and patents acquired from Union Carbide Metals	Mar. 24	81	High-temperature foamed inorganic series isopropylpercarbonate plant to be built at Lake Charles, La.	Apr. 21	81	
Home, William, MCA spokesman on overseas profit tax	May 5	22	Pechiney - metals cross-licensing agreement with Sylvania	Apr. 21	102	Polash project in Saskatchewan	May 19	99	
Joint operation of Dixon's Paulsboro, N.J. units considered	June 9	18	Sales picture	Apr. 28	38	Polash project in Saskatchewan called Duracron	June 23	64	
May sell Du Pont "certain portions" of its Niagara Falls plant	June 2	18	Peintures Goniat - Pittsburgh Plate Glass International acquires majority interest	Apr. 14	66	Thermosetting acrylic paint resins licensed to British Resin Products	Apr. 7	44	
Nitromethane tank car explosion sues Package Div. - bottle wadding tests boost cellophane	May 19	161	Pen Crellie Mines and Metals Co. - bargaining agent selected	Apr. 28	70	Pittsburgh Plate Glass International S. A. - Argentine soda ash venture with CIDASA	Mar. 24	18	
Packaging Div. expands, will supply both inserts and corrugated exteriors	May 19	72	Penick, S. B., & Co., - acquires Laboratorios Mixim	Mar. 17	54	Foreign investments now include majority interest in Peintures Goniat	Apr. 14	66	
Packaging Div. - kraft pulp and paper mill at West Monroe, La. to be built by Rust Engineering	June 23	26	Acquires M. W. Parsons-Plymouth	Mar. 3	21	Pittsburgh Railways Co. - acquires G. Barr & Co.	Apr. 21	68	
Packaging Div. - research facility formed at New Haven, Conn.	May 19	50	Acquires property at Lyndhurst, N.J.	June 9	28	Pittsburgh Steel Co. - c-al-chemical-metal integration	Feb. 24	14	
Sodium chlorite process beats bleaching bogey	Feb. 10	47	Wage pact	Mar. 3	30	Plas-Chem Corp. - protective coating, Zinc-ite	May 19	149	
Squibb - dentifrice package with dental floss	June 16	135	Pennsalt Chemicals Corp. - chlorine contract with Salem, Ore. city council	Apr. 14	35	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Squibb - fights to keep vitamin business in drugstore	Feb. 3	40	Estes case: reserve fund set up to cover losses in pesticide deals	June 9	26	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Squibb - oral staph-fighting penicillin licensed from Bristol	May 19	99	Fosbond 75 for treating galvanized and uncoated steel surfaces	June 2	63	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
SunOlin breakup rumored	June 9	18	Hydrogen peroxide solutions marketing plans	June 9	81	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Sulite Chem-Lime, Inc. - lime, carbon dioxide, white cement plants to be built at Bridgeport, Ala.	June 2	24	Mercaptans process to be used at Dutch plant	May 19	58	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Opinion Research Corp. - survey shows stockholders are confused by jargon in annual reports	Mar. 3	28	Milk deposit cleaner	Mar. 24	98	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Orkin Exterminating Co. - headquarters building under construction	June 16	145	Polyethylene liner in fiber overpack to be used for shipping specialty chemicals	Apr. 7	87	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Oronzio de Nora - Mexican petrochemical project	June 16	74	Technological center being built at King of Prussia, Pa.	Feb. 24	60	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
O'Sullivan Rubber Corp. - former employees sue United Rubber Workers union	May 5	84	Wage pact	Apr. 14	37	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business	June 9	9	Pennsylvania Fluorocarbon Co. - moves from Philadelphia to Clifton Heights, Pa.	Jan. 13	30	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business	Apr. 21	9	Perkin-Elmer Corp. - continuous-wave gas-phase laser	Mar. 31	57	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business	June 23	26	Digitized models of analytical instruments	Mar. 24	97	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business	Mar. 3	21	Petboras - SBR rubber plant onstream at Rio de Janeiro, Brazil	Apr. 14	30	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business			Petrocarbon Developments Ltd. - polystyrene process design contract from Denki Kagaku Kogyo	Feb. 17	45	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
Ott Chemical Co. - success of firm bears out founder's views on running a business			Petroleos Mexicanos (PEMEX) - petrochemical project	June 16	74	Plasma arc gun: new tool tames tough spraying jobs	Mar. 3	39	
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Ethylene-propylene copolymer plans revealed	May 12 18	ammunition and rifle plant at Cuernavaca, Mexico	Mar 24 72	St. Joseph Lead - sulfuric acid monopoly suit	May 5 17
Polytechnic Institute of Milan - Institute of Industrial Chemistry - Giulio Natta clashes with Eastman's Coover over polypropylene claims	Jan. 27 25	Republic Steel Corp. - Buffalo, N.Y. plant applies for permit to use oxygen lance equipment	Apr. 28 67	St. Lawrence Sugar Refineries, Ltd. - trade restriction conspiracy denied	Apr. 21 75
Polythane Co. - joint venture of Chemstrand and Polythane Corp. will produce spandex polyurethane yarns and fibers	Feb. 17 45	Resco - consolidates with Commercial Resins and Northern Fiberglass	June 16 44	St. Regis Paper Co. - Brazilian subsidiary hit by financial scandal	Jan. 27 45
Polythane Corp. - forms joint venture with Chemstrand to produce spandex polyurethane yarns and fibers	Feb. 17 45	Research Chemical Inc. - set up by R.R. Dean & Associates to make water treating compounds	Jan. 13 46	FTC holds unprecedented public hearing in antimerger case	Jan. 13 87
Polyvinyl Chemicals - lighter-colored styrene polymer emulsions developed	May 26 82	Reuland Electric Co. - speed changer called Motoreducer	Feb. 17 110	Trenton Panelyte Division acquired by Thiokol	Jan. 6 21
Potlatch Forests, Inc. - tall oil plant at Lewiston, Ida. nears completion	Mar. 24 107	Revertex Ltd. - forms joint company with International Latex to produce and sell synthetic latex and rubber in the British Commonwealth	Apr. 21 56	Sales y Alcalis S.A. - petrochemical project investor	June 16 74
Powertone Ultrasonics Corp. - solids measuring instrument called Solitrol	Mar. 17 79	Revlon - German sales subsidiary adds perfumes	Mar. 17 68	Salk Institute for Biological Studies - permanent staff of resident fellows named	June 9 94
Pow-Pak, Inc. - acquisition by Reher	Mar. 24 18	Rexall Drug and Chemical - joins D.R. Kettlehack GmbH. to form Kettlehack Riker GmbH.	Jan. 20 29	Sames - electrostatic spray gun debuts	June 2 65
Simmons rumored	Mar. 17 94	Polyethylene begins flow of joint venture income	Feb. 17 44	Sandel Manufacturing - Wasserman Development acquires 70% interest	Mar. 10 22
International aerosol licensing agreement	Jan. 13 45	Polypropylene plant to be built at Odessa, Tex.; Riker Labs steps up foreign activity	May 19 44	Sargent Gerke Co. - joins with Lilly Paint Products Inc.	Mar. 3 48
Pratt & Lambert Inc. - acquires site in Orange, County, Calif. for paint plant and warehouse	Mar. 31 21	Reynolds Aluminum - expansions	Apr. 7 17	Sawyer Petroleum - Utah potash prospecting and leaching activities	Feb. 10 24
Two-for-one stock split proposed	Mar. 10 50	Reynolds Aluminum of Canada - acquisition of R.D. Werner Co. and Chromedge rumored	Mar. 17 36	Schaub, Fred H., Engineering Co. - boiler feed pump	Jan. 27 43
Water-thinned linseed oil paint	May 5 32	Reynolds Metals Co. - aluminum barge launched	Feb. 17 70	Schering Corp. - court rules against firm and Arthur Noble in prednisone case	Apr. 7 27
Pressed Steel Tank Co. - Downington Iron Works, Inc. - urethane foam insulation for tankers	May 26 29	Gladhill farmer claims damages in fluoride emissions case	Mar. 3 30	A. Schrader's Son - aerosol valve line to be marketed by Airken	May 5 55
Procter & Gamble - Chlorox merger - conglomerate merger ruled unlawful	Mar. 17 36	Integrates forward into petroleum coke	Feb. 10 25	Scientific Design Co., Inc. - caprolactam process and two patents on cyclohexanone oxidation are latest offshoots of nylon research	June 9 74
Partially hydrogenated shortenings are effective in reducing cholesterol levels	May 12 79	Reynolds Rocket Systems - new research, engineering and manufacturing concern	May 12 25	Styrene monomer plant to be built for French firm	Mar. 24 18
Procter & Gamble Ltd. - new name of Thomas Hedley & Co.	Apr. 28 38	Rhee Industries - Rohm & Haas proposes acquisition of Rhee	Jan. 27 18	Scientific Glass Apparatus Co. - opens new plant on Pacific Coast	Feb. 17 152
Productol Co. - alkyl phenol plant at Santa Fe Springs, Calif. to go onstream	June 16 119	Richardsons, Westgarth and Co., Ltd. - receives U.S. contract for saline water conversion research	June 30 25	Scott Paper Co. - waste paper treatment system completed at Mobile, Ala. - letter	Feb. 3 7
Project Fabrication Corp. - Ingram waste treating process debuts	Mar. 17 89	Richfield Oil Corp. - Jones, W. Alton, killed in plane crash	Mar. 10 18	Scottish Oils - shale oil shutdown	Apr. 21 56
Propane Fertilizers Ltd. - protests anti-dumping duty on East German ammonium sulfate	Mar. 17 43	Polish leases acquired in southeastern Utah	June 2 24	Sechrist Chemicals - polyvinyl chloride venture of Kenrich Petrochemicals	Feb. 24 17
Proprietary Perfumes - will operate Unilever perfumery near Ashford in Kent	June 16 74	Riker Laboratories Inc. - acquires Evanston Argentina SAclyF	May 26 40	Selberling Rubber - Lamb, Edward, claims 51% interest in firm	Mar. 3 14
Protection Products Manufacturing Co. - acquired by U.S. Plywood	May 5 25	Foreign activities stepped up	May 19 44	Sets up division to carry out plans for greater product diversification	Jan. 20 38
Protective Treatments, Inc. - acquired by Helene Curtis	Feb. 24 65	Holds 75% interest in Kettlehack Riker GmbH	Jan. 20 29	Sales Corp. - hydrogen purification process ties in with steam reformation furnace	Apr. 14 83
Pure Carbon Co., Inc. - carbon electrodes	May 5 41	Ringer, Judd, Corp. - acquires Hardward and Garden Products Division of Donaldson Co.	Mar. 17 69	Selectrons, Ltd. - refractory metal plating unit	Feb. 3 79
Pure Oil - aromatics venture with Atlantic Refining onstream at Nederland, Tex.	Feb. 3 66	Rinsheed-Mason Co. - Celcon paint system	May 19 149	Sellers Injor Corp. - acquired by Turco Products Div. of Purex Corp.	Mar. 3 48
Pures Corp. - acquires Campana Corp. from Dow	June 16 145	Rison Mfg. Co. - aerosol patent suit	May 19 36	Semi-Elements, Inc. - cobalt manganese fluoride crystals available	June 2 63
Acquisition of Kal Plastics proposed	Feb. 24 17	Robbins & Myers, Inc. - Moyno pump claim: cheaper than pneumatic solids-conveying systems	Jan. 20 61	Laser liquids	May 5 41
Acquisition of Los Angeles Soap called off	May 26 30	Robertshaw-Fulton - Fulton Sylphon Division - temperature regulator	Apr. 14 79	Single crystals of tungsten, molybdenum, tantalum and columbium available	May 26 69
Turco Products Div. acquires Sellers	Mar. 3 48	Rochester Aerosol Corp. - beer-based hair products to be developed with Fox Brew International aerosol licensing agreement	May 26 90	Service Engineers, Inc. - acquired by Alcon Laboratories	Mar. 10 25
Injector Corp.	May 12 25	Rochester Drug Cooperative, Inc. - FDA seizes mineral oil labeled for use in salad dressings	Feb. 10 55	Seymour Mfg. Co. - bright nickel and plating solution business sold to Hayden Newport's Nudex Products Div.	Jan. 27 26
Puritan Chemical Co. - acquires The Churchill Co.	May 5-55,	Rocket Power Inc. - common stock offering	Mar. 17 74	Shand & Jurs Co. - data-gathering and control system for tanks and pipelines	Apr. 14 79
Quantum, Inc. - copper plastimets research	Apr. 21 40	Rocketland Industries - acquires Chelate Chemical Corp.	Mar. 24 24	Shawinigan Chemicals Ltd. - hydrogen peroxide-from-peracetic acid process debuts	May 19 90
Gold-coated steel process	Apr. 21 105	Rockwell-Standard Corp. - Air-Maze Div. - air filters	May 26 30	Shawinigan Resins - polyvinyl acetate homopolymer emulsion	Feb. 24 68
Radio Corp. of America - Electrofax reproduction process licensed to Dow	May 5 61	Rogers Corp. - self-lubricating bearings	Jan. 20 64	Shell Chemical (Australia) Pty. - hydrocarbon solvents plant to be built at Geelong refinery	May 12 117
Electron Tube Div. receives contract from Atomics International to develop thermo-electric modules	May 12 94	Rohm & Haas Co. - acetylene reactions technique	Jan. 20 66	Shell Chemical Co. Ltd. - acquires 20% interest in Lankro Chemicals	Feb. 10 79
Semiconductor and Materials Div. - microcircuit the size of a shirt button	Mar. 3 55	Acrylic adhesive, Rhoplex E-32	Apr. 21 105	Shell Chemical Corp. - ammonia-urea capacity boost at Ventura, Calif.	Mar. 24 18
Will supply industrial computers to Foxboro	Mar. 10 49	Choline base	June 2 63	Butadiene process to debut at French plant	June 16 91
Randy Knitwear, Inc. - Cyana warranty suit against Cyanamid	Mar. 10 102	Four-for-one stock split	May 12 71	Chlorine from hydrogen chloride process	June 16 91
Raychem Corp. - acquires Redwood City plant of Anaconda Wire and Cable	June 16 44	Insecticide and fungicide venture in Bombay, India	Apr. 28 30	Heat-resistant polypropylenes	Mar. 3 62
RayData Corp. - vibration alarm	May 26 69	Labor contract at Bristol, Pa.	Apr. 28 38	Polyisoprene capacity boost at Belpre, O.	June 9 81
Rayonier - Ultratran wood cellulose debuts	Mar. 31 58	Research center being built at Spring House, Pa.	May 5 68	Shell Development Co. - animal health laboratory to be built at Modesto, Calif.	May 26 74
RdF Corp. - cryogenic temperature probe	Mar. 3 39	Rhee Industries acquisition proposed	Jan. 27 18	Professional technical employees sign new labor contract	Feb. 10 34
Reactive Metals - National Distillers becomes sole owner	Mar. 10 25	Spandex urethane fiber production considered	May 5 18	Shell International Chemical Co. - ethylene oxide, isopropanol and derivatives plant proposed for Spain's Calvo Sotelo complex	Apr. 7 24
Reasor-Hill Corp. - acquired by Hercules Powder	Jan. 6 29	Surface-active agent: Triton X-400	Apr. 14 80	Moroccan fertilizer project a possibility	June 30 18
Ref-Chem Co. - liquefied gas plant to be built for Western Oxygen	Apr. 21 26	Roror Corp. - drain cleaner	May 12 72	Shell Nederland Chemische Fabrieken - takes over Shell marketing functions under new name, Nederland Chemie	Jan. 13 30
Reher Simmons Research - acquisition of Pow-Pak, Inc. rumored	Mar. 24 18	Rorer, William H., Inc. - concentrate bromine to be sold under tradename Ananase	Jan. 27 37	Shell Oil - gas sweetening and sulfur recovery under way at Cass County, Texas plant	Apr. 14 109
Reichert Float & Mfg. Co. - acid floats	Apr. 28 41	Enzyme, Ananase, for use in treating swellings, bruises	Mar. 3 39	Shell Oil Co. of Canada - Alberta oil sand prospecting permits granted	June 9 28
Reichhold Chemicals, Inc. - enters business of selling technology	Mar. 31 51	Stock bonus plan - new idea in sales incentives	Feb. 10 43	Sulfur shipments to U.S. may be increased	June 10 89
Norwegian firm to use partial-oxidation technique in new formaldehyde plant	Mar. 17 54	Rosenmont Engineering Co. - temperature sensor	Jan. 13 72	Shell Refining Co. Ltd. (Gt. Brft.) - isopentane plant to be built at Shell Haven refinery	June 16 74
Omits first-quarter cash dividend	Jan. 20 30	Royal Dutch/Shell Laboratories - plasticizer is key to technique for improving oil well production	Mar. 31 53	Shenango Furnace Co. - sets up joint subsidiary with Pittsburgh Coke & Chemical	Apr. 14 25
Phthalic anhydride plant at Ste. Therese, Que. closed	Apr. 7 75	Royco Instruments Inc. - particle monitor	Apr. 28 41	Shenango Inc. - new joint subsidiary of Pittsburgh Coke & Chemical and Shenango Furnace Co.	Mar. 24-24,
Phthalic operations switch over to petroleum-derived naphthalene	Jan. 6 50	Rubinstein, Helene Inc. - Israeli operation opened	Feb. 10 58	Sherritt Gordon Mines Ltd. - five cent coins made from pure nickel powder	Apr. 14 25
Reichhold Quimica de Mexico, S.A. - Zarebski, M.A., backs Mexico's nationalization moves	Apr. 28 35	Ruly Co. - Simplot subsidiary is highest bidder for phosphate ore lease at Soda Springs, Ida.	Apr. 28 30	Sherwin-Williams - District Court signs consent judgement enjoining S-W from fixing prices of Kem paint products	Jan. 27 60
Reiter Engineering Co. - spray gun for plastics industry	Jan. 20 108	Rumianka S.p.A. - polyethylene plant at Sardinia to be built by Fluor	June 23 26	Sherwin-Williams - District Court signs consent judgement enjoining S-W from fixing prices of Kem paint products	Jan. 20 108
Reliance Electric & Engineering Co. - automated troubleshooter	Feb. 17 110	Ryder Truck Lines - automatic billing speeds handling of paper work involved in truck shipping	Jan. 13 82	Egeler, G.K., views GATT tariff cuts	Mar. 17 39
Remington Arms Co. - collaborates with U.S. and Mexican capital to build an		Sahre-Pinon Corp. - United Nuclear merger	May 5 25	Maroon shade pigment	Feb. 24 68
				Sherwin-Williams Co. del Ecuador S.A. - will make and market Sherwin-Williams paint products	Jan. 13 46
				Shin Nippon Chisso Hiroy K.K. - polypropylene plant under construction	Jan. 6 59

Shorko Investing S.A. — Belgian polyolefin film venture with Thomassen & Drijver ..	Mar. 31	21	Sperry Gyroscope Co. — hexafluorobenzene process ..	Jan. 6	49	Structural Clay Products Research Foundation — latex mortar developed with Dow ..	Apr. 14	70
Short, J. R., Willing Co. — acetone peroxides agreement with Sterwin ..	May 26	30	Sperry Gyroscope — hexafluorobenzene (perfluorobenzene) production negotiations ..	June 30	46	Struthers Scientific and International Corp. — salt water freezing process — OSW ..	May 5	58
Showa Denko — petrochemical venture with Japan Gas Chemical ..	May 26	40	Spindletop Research, Inc. — incorporated as state industry ..	Feb. 17	152	Stuart Co. — drug products to be marketed in plastic containers ..	Mar. 31	45
Showa Neoprene — Delrin acetal resins agreement with Du Pont ..	June 9	40	Spraylat Corp. — spray coating protects locomotives in ocean transit ..	June 16	135	Studebaker Packard — sports car features reinforced-elastic body ..	Mar. 10	95
Shriver, T., & Co. — rotary leaf filter ..	Jan. 20	64	Sprout, Waldron & Co. — pneumatic conveyor ..	Mar. 3	40	Sturge, John E., Ltd. — desiccant for use in rubber processing ..	Mar. 3	40
Shulton Inc. — fabric brightener ..	Apr. 14	80	Spun Glass Ltd. — joint venture of Courtaulds and IJMAW will make glass fabrics and fibers and market them worldwide ..	Jan. 13	30	Sumito Denko — irradiation-cured polyethylene cable insulation ..	Jan. 6	70
Siegle, G., & Co. — polyvinyl chloride stabilizers license from Heyden Newport ..	Mar. 17	54	Staley, A. E., Mfg. — common shares doubled ..	May 19	47	Sun Chemical Corp. — corporate research center for polymer and synthetic organic chemistry studies at Carlstadt, N.J. ..	Feb. 24	60
Sierra Metals Corp. — metals technology lab at Portland, Ore. ..	Feb. 10	39	Starch fractionation process — details ..	Apr. 28	73	Japanese polystyrene film joint venture ..	June 16	74
Sievers, Inc. — acquired by Magna Products ..	Jan. 13	45	Subcontractor files suit over research building work ..	Apr. 14	37	Xanfoam of Canada, joint venture of Sun and Bathurst, will produce Xanfoam extruded polystyrene foam parts ..	Mar. 24	24
Signal Oil and Gas Co. — crude oil processing innovations ..	Jan. 13	39	Standard International — merger with Lestoil considered ..	Mar. 31	14, 19	Sun Oil Co. — hydrodealkylation process details revealed ..	May 26	50
Silmar Chemical Corp. — polyester resin plant opened on West Coast ..	May 5	54	Standard Oil Co. of California — laboratory and office building to be built for its subsidiary California Research ..	May 12	94	Instrument probe system to be handled by American Meter Co. ..	Apr. 7	68
Simoniz Co. — Clad-Rex Division sold to Delta-Chicago ..	June 16	145	Standard Oil (Indiana) — cooling-tower fog problems solved ..	June 2	67	Naphthalene plant at Toledo, O. running at full capacity ..	Feb. 17	125
Sinclair Petrochemicals — acquires "certain properties and assets" of Texas Butadiene ..	June 16	35	Standard Oil (Kentucky) — Esso brandname countersuit ..	Apr. 14	35	SunOlin breakup rumored ..	June 9	18
Sinclair Refining Co. — Supreme Court rules that union officers and members cannot be sued in East Chicago, Ind. strike case ..	June 30	66	Standard Oil — Mississippi refinery contract awarded to Pricol ..	June 2	24	Supreme Court to clear up "good-faith" defense in price discrimination case ..	Mar. 3	23
Sinclair Research Inc. — catalyst-cleaning process, DelMet, debuts ..	Feb. 10	32	Standard Oil (New Jersey) — Chemicals Coordination Dept. set up, Enjay position uncertain ..	June 9	17	Sunray Mid-Continental Oil Co. — corporate changes proposed: merger with DX ..	June 9	9
Sinclair Refining Co. — Supreme Court rules that union officers and members cannot be sued in East Chicago, Ind. strike case ..	June 30	66	Fertilizer Expansions in Mediterranean area ..	Mar. 3	14	Sunray Oil; change of name to Sunray DX Oil Co. ..	Feb. 10	25
Sinclair Research Inc. — catalyst-cleaning process, DelMet, debuts ..	May 26	46	Libyan refinery built on concrete barge will use barge as foundation ..	Feb. 10	53	Suntide Refining Co. — p-xylene unit onstream at Corpus Christi, Tex.; styrene unit under construction ..	Jan. 27	48
Ski-Dek Corp. — synthetic ski slopes made of nylon ..	Jan. 27	58	Shepard, D.A., makes plea for liberal trade policies on part of U.S. and EEC ..	May 19	45	Superior Oil Co. — fraud charges involve sale of ammonia storage tanks ..	Apr. 14	23
Smith-Corona Marchant, Inc. — electrostatic copying process debuts ..	Apr. 7	64	Standard-Vacuum split-up completed ..	Apr. 7	17	Superior Oil Co. — potash prospecting activities in Utah ..	Feb. 10	24
Smith, (Howard) Paper Co. — magnesium-base wood-pulping process ..	Feb. 3	50	Standard Oil of Ohio — microbicides marketing pact with U.S. Borax ..	Mar. 17	68	Superior Tube Co. — nondestructive testing center at Norristown, Pa. ..	May 5	68
Smith Kline & French Laboratories — joins with Calbiochem to develop virus-fighting uses of 5-Iodo-2-deoxyuridine ..	May 5	68	Standard Toch Industries — merging with Kenrich Petrochemical ..	Mar. 17	42	Susquehanna Corp. — antitrust charges filed by Minerals Engineering over vanadium venture ..	Mar. 24	89
Snia Viscosa — Courtaulds will sell its interest in Snia ..	June 16	74	Standard Ultramarine and Color Co. — labor contract ..	Apr. 28	69	Susquehanna-Western Corp. — antitrust charges filed by Minerals Engineering over vanadium venture ..	Mar. 24	89
Societa Italiana Resine — phenol-from-cumene process conflict ..	June 16	43	Standard-Vacuum Oil Co. — assets and businesses divided between Jersey Standard and Socony Mobil ..	Apr. 7	17	Sutton, Steele & Steele, Inc. — electrostatic separator ..	June 9	89
Societe Belge, S.A. — acquired by S.C. Johnson ..	Apr. 7	44	Bombay refinery will supply naphtha to Fertilizer Corp. of India's proposed plant on Trombay Island ..	Jan. 20	59	Swan-Finch Oil Corp. — reorganization plans ..	May 12	25
Soc. des Elastomers de Synthese — butadiene plant at Berre will use Shell's new process ..	June 16	91	Stanford Research Institute — nitrosoureas and nitrosoguanidine compounds are active against leukemia ..	Feb. 17	148	Sylvania Electric Products — calcium tungstate available for optical maser use ..	Mar. 17	83
Societe Generale des Minerais — financing Brunswick Mining & Smelting's lead and zinc venture ..	June 16	42	Stanley Home Products — office and warehouse to be built at Manchester Industrial Park in St. Louis, Mo. ..	Mar. 17	69	Chemical & Metallurgical Div. — laser ..	May 26	69
Societe Mis Toul La Rayonne — cellophane plant expansion ..	May 12	117	State Trading Corp. (India) — gains more control over imports ..	Mar. 24	67	Continuous, long-lived gas laser ..	Mar. 31	57
Societe Monsanto Roussouls — Monsanto acquires majority interest ..	Mar. 31	21	Stauffer Chemical Co. — anhydrous hydrogen fluoride from fluosulfonic acid — new process ..	Jan. 13	65	Metals cross-licensing agreement with Pechiney ..	Apr. 21	102
Societe Nationale des Petroles d'Aquitaine — styrene monomer project ..	Mar. 24	18	Anticancer drugs laboratory to be operated under NIH contract ..	May 12	94	Synthetic Rubber Development Corp. of South Africa — new plant to be built at Johannesburg ..	June 30	18
Sock Fiberglass (Canada) Ltd. — molding technique for plastics fabrication ..	Apr. 14	28	Avisco-Stauffer venture considered ..	May 19	43	SBR rubber plant to be built at Sasolburg, South Africa ..	Apr. 7	24
Socomy Mobil Oil — cracking catalyst ..	Apr. 7	63	Chlor-alkali plant at Dominguez, Calif. to be built by Jacobs; chlorine output to be used by American Chemical ..	June 16	44			
Durabead 5, will hike gasoline yields ..	June 30	45	Expands fertilizer division by acquiring Intermountain Chemical ..	May 26	29			
Durabead 5 cracking catalyst incorporates a molecular sieve in conjunction with a rare earth ..	Apr. 7	17	Louisville, Ky. residents file for damages in gas leakage accident ..	June 9	55			
Standard-Vacuum split-up completed ..	Mar. 3	30	Phosphatic fertilizer shipments from Dominguez, Calif. plant ..	Feb. 10	64			
Sohio Chemical Co. — unfair labor practices charge ..	Mar. 31	47	Sales and earnings ..	Feb. 10	18			
Solar Chemical Co. — returns to business scene after '61 disaster ..	Mar. 10	70	Soda ash plant at Green River, Wyo. begins shakedown operations ..	June 2	58			
Sonotone Corp. — biological fuel cell research with Electro-Optical Systems ..	June 30	18	Stauffer-Hewitt sold to Urethane Industries ..	Apr. 14	25			
South African Coal Oil & Gas Corp., Ltd. — petrochemical units to be built by Fluor ..	Mar. 10	25	Steel Co. of Canada — iron produced by new direct reduction process ..	Feb. 17	122			
Polyethylene venture with African Explosives and Chemical ..	Mar. 10	70	Steel Improvement and Forge Co. — sales and earnings ..	Jan. 20	41			
South African Council of Scientific and Industrial Research — cesium-137 recovered from spent fuel ..	June 9	28	Stein, Hall — guar gum gelling agents ..	June 16	91			
South Carolina Industries, Inc. — new subsidiary of Stone Container Corp. will build kraft board plant at Florence, S.C. ..	Apr. 28	73	Stepan Chemical — Puerto Rican phthalic anhydride plants dropped, plant will be built at Milledale, Ill. ..	Mar. 3	13			
Southern Land Timber & Pulp Co. — computer installation planned ..	Apr. 28	30	Stockholders attend annual meeting ..	Mar. 31	19			
Northern Paper at Cedar Springs, Ala. ..	June 9	95	Will pay Commonwealth Oil Refining \$400,000 to settle naphthalene contract ..	June 2	18			
Southern Research Institute — expansion of Birmingham, Ala. facilities ..	May 26	81	Stevens Paint Ltd. — acquired by British American Paint ..	Jan. 13	46			
Southwest Portland Cement — oxygen used in cement kilns ..	Mar. 3	48	Sterwin Chemicals — acetone peroxide agreement with Short Milling ..	May 26	30			
Spatz Paint Industries — consolidates with Vane-Calvert Paint Co. ..	Feb. 17	45	Stevens, J. P., & Co. — divivine sulfone cellulosic cross-linking process licensed to GAF ..	Mar. 3	61			
Special Devices Inc. — acquires Mimx Corp.; undergoes recapitalization in which Draper, Gaitner & Anderson acquires an interest ..	May 26	76	Zelkrome duoblenkt fiber marketing program with Dow ..	Jan. 20	41			
Special projects group will perform applied research in several fields ..	Mar. 31	57	Stone Container Corp. — paperboard and aluminum foil can to be made by new Richie Division ..	Mar. 17	46			
Spectra-Physics — continuous-wave gas-phase laser ..	Mar. 3	71	South Carolina Industries, a new subsidiary, will build kraft board plant ..	June 9	28			
Spencer Chemical Co. — ammonia capacity boost at Henderson, Ky. ..	Apr. 21	26	Strategic Materials Inc. — alumina from clay by leaching with sulfuric acid ..	Mar. 3	32			
Black polyethylene sheeting tested as mulch for cotton ..	Feb. 17	35	Venezuelan pig iron furnace to be converted to Strategic Udy process ..	Mar. 31	58			
France rescinds antidumping tax on polyethylene imports ..	Jan. 20	35	Strouse, Inc. — new East Coast plant underscores industry's concern for push-button efficiency ..	Mar. 24	101			
Integrates forward in fertilizers with eight-way acquisition ..	Apr. 14	110						
Polyethylene emulsion production under way ..	June 9	95						
Sperry Carbon Co. — Army contract for development of carbon electrodes for fuel cells. Modernization and expansion of main plant ..	Mar. 10	25						
Sperry Rand Corp. — Remington Rand UNIVAC Div. — programming aid for solid-state computers ..	Feb. 24	36						
Remington Rand UNIVAC div. — punched-tape reader ..	Jan. 13	71						

Tennessee Eastman Co. - Ketone solvents plant to be built at Kingsport	May 26	30	Troy Mills, Inc. - Industrial Div. - polypropylene filter cloth	Apr. 21	95	Union Carbide Caribe Inc. - Puerto Rican industrial plant inaugurates first U.S. industrial foreign trade zone	May 26	40
Kodak polyester packaging material plant at Orangeburg, N.Y.	May 19	47	Trubek Laboratories - absorbs manufacturing and marketing activities of Truland Division	Jan. 20	38	Union Carbide Exploration Ltd. - new subsidiary of Union Carbide Canada	June 9	28
Organizes South Carolina venture	Jan. 6	22	Tyco Laboratories, Inc. - materials research subsidiary of Tyco, Inc.	May 12	94	Union Industrial Equipment Corp. - sulfide detector tube	Jan. 13	72
Polypropylene patent feud rages between Italy's Natta and Eastman's Cooper	Jan. 27	25	Tyler Dawson Supply Co. - awarded USBM contract to make glass-fiber wrapping for helium pipeline	Feb. 10	64	Union Star - enzymatic starch-to-dextrose process patent	Apr. 21	81
Tennessee Gas Transmission Co. - debenture sale	Apr. 21	22				Union Texas Natural Gas - Allied Chemical and Union will vote on merger	Jan. 27	24
Tennessee Products & Chemical - combines operations with Humphrey Charcoal under name Tenn-Brook Co.	May 19	47				Geismar, La. may lose out as a site for the proposed Allied-Union Texas complex	Mar. 24	17
Labor contract	Mar. 17	74				Merger with Allied becomes effective	Feb. 24	9
Sucrose benzoate available	June 2-57					United Carbon Co. - carbon black plant at Mojave, Calif. readied for shutdown	Mar. 24	107
Tenzer Associates - new consulting service	June 9	89				Indian carbon black project	Jan. 6	30
Teralin Corp. - Orangeburg, N.Y. plant sold to Eastman Kodak	May 19	47	UBS Chemical - lighter-colored styrene polymer emulsions developed	May 26	82	New reactor makes new 65-SPF carbon black	June 16	79
Terminal Testing Laboratories - merging with International Chemical and Nuclear	Feb. 3	24	Uhde, Friedrich - nitric acid process is self-sufficient in energy	Mar. 10	69	65-SPF carbon black improves performance of stereospecific rubber tires	May 12	79
Texaco Canada, Ltd. - petrochemicals expansion at Port Credit, Ont.	Mar. 10	25	Unexcel Chemical Corp. - Bennett & Clayton division's fertilizer plant at Cranbury, N.J. acquired by Federal Chemical division of National Distillers	Apr. 14	28	United Foam Products Co. - foam pipe insulation	Feb. 3	79
Texaco Development Corp. - iron ore reduction process	Apr. 14	28	Paint plant at Chelsea, Mass. acquired by GE	Apr. 28	60	United Merchants & Manufacturers - forms joint venture with Courtalds to make glass fabrics and fibers for worldwide consumption	Jan. 13	30
Texaco Experiment Inc. - rocket and parachute device spots fires	Mar. 17	67	Unilever Ltd. - corporate structure details revealed	May 19	58	Valchem Chemical - nipping agent for fabrics	Feb. 10	59
Texaco, Inc. - cyclohexane plant to be built in Trinidad	June 9	40	Forms joint company in Chile with Compania Industrial to produce and sell detergents, margarine, edible fats	Jan. 6	30	United Mineral & Chemical Corp. - cadmium pigments distributor	Jan. 6	74
Labor contracts at two Texas refineries	Apr. 14	37	Perfume to be built near Ashford in Kent, England	June 16	74	United Nuclear Corp. - OCAW elected bargaining agent at New Haven, Conn.	May 26	66
Strike averted at Port Arthur Tex. refinery	Mar. 24	89	Unilever N.V. - corporate structure details revealed	Mar. 10	18	Sabre-Pinon merger	May 5	25
Texas Butadiene & Chemical Corp. - poll tax payments by employees	Apr. 7	27	Union Bag-Camp Paper Corp. - chemical products lab at Savannah, Ga.	May 19	58	Sabre-Pinon merger will provide uranium ore source for nuclear fuel production	Feb. 24	16
Sales and earnings	Feb. 10	18	Union Carbide - acquires tract on the Savannah River near Savannah, Georgia	Feb. 10	39	United Process Machinery Co. - foam machine	Jan. 13	72
Sells "certain properties and assets" to Sinclair Petrochemicals	June 16	35	Black polyethylene film used as mulch	Apr. 21	26	United Refining Co. - propane desalting unit	Jan. 6	70
Texas City Refining - phenol to be produced by cumeox oxidation process	Feb. 3	20	Chemicals Co. - acrylate expansion at Institute, W. Va. confirmed	June 30	18	U.S. Borax & Chemical Corp. - fire retardant process called Emulsitor Process	June 9	90
Texas Eastern Transmission Corp. - synthetic natural gas from coal project	May 26	25	Chemicals Co. - acrylates expansion at Institute, W. Va., new process may be used	June 23	63	Microbiotics marketing pact with Solbio	Mar. 17	68
Texas Eastman - polyallomers manufacture see Eastman Chemical Products Inc.	Mar. 10	23	Chemicals Co. - acrylic latex binder for paperboard	May 19	146	Potash project in Saskatchewan	Apr. 7	21
Texas Gulf Sulphur Co. - Canadian sulfur recovery expansion program	May 26	69	Chemicals Co. - Cellosize hydroxyethyl cellulose expansions at Institute, W. Va. and Niagara Falls, N.Y.	Mar. 24	24	Sales and earnings	May 19	36
Dividend payments	May 26	18	Chemicals Co. - emulsions and detergents book published	Feb. 24	66	U.S. Gypsum Co. - wage increase at Greenville, Miss.	Apr. 14	38
North Carolina phosphate development plans	June 9-26, June 16-14		Chemicals Co. - hydrocarbon-fluorocarbon propellant blend for perfume aerosols	May 26	81	U.S. Peroxygen Corp. - ultraviolet curing catalysts	Jan. 20	108
Potash prospecting activities in Utah	June 23	17	Chemicals Co. - jet fuel anti-icing additive distribution system pays off	May 19	69	U.S. Plywood - acquires Protection Products through exchange of stock deal	May 5	25
Texas Instruments - Apparatus Div. - pressure gauge	Feb. 10	24	Chemicals Co. - labor pact	June 2	54	U.S. Rubber Co. - acquires Masland	Mar. 10	25
Texaco Oil Co. - helium recovery unit plans	Jan. 6	22	Chemicals Co. - lays off 215 employees at South Charleston, W. Va.	May 19	69	Adhesives and Coatings Dept. - lettering compound for athletes' uniforms	Mar. 17	80
Textron Inc. - acquires Vita-Vac Corp.	Mar. 24	24	Chemicals Co. - rocket propellants research report	June 2	54	Bonding agent, CVC, for tires	Apr. 14	84
Enters proprietary drug field with Mericil hand cream and Zolox poison-ivy ointment	Mar. 17	69	Chemicals Co. - shrinkage control treatment for cotton and rayon fabrics	Mar. 24	90	Naugatuck Chemical Div. - technical sales service center at Naugatuck, Conn.	June 9	94
Federal Industries Div. to be acquired by Air Reduction	May 5	25	Chemicals Co. - Ucar Polyoxy resins - prices	June 30	46	Naugatuck Chemical Div. will market liquid automobile wax called Sak Kote	May 12	24
Thermom Manufacturing Co. - heat-transfer cement	Jan. 13	72	Chemicals Co. - vinyl acetate expansion and price cut	Apr. 14	80	Naugatuck Chemical International - new division	Feb. 10	76
Thermoplastics Industries - acquired by Bemis Bros. Bag Co.	Jan. 13	30	Chemicals Co. - vinyl chloride propellant blend	Feb. 24	72	Protective agent keeps rubber from cracking	May 5	62
Thermotech Industries - reciprocal trade agreement with Fluorocarbons Co.	Jan. 20	36	Ethylene-acrylate copolymer properties pinpointed	Jan. 6	22	Vila, George predicts price cuts on natural rubber	May 19	127
Thiokol Chemical Corp. - acquires St. Regis' Trenton Panelyte Division	Jan. 6	21	Kemet Co., a division, grants license to Allen-Jones for manufacture of a silicon monoxide evaporation source	Feb. 10	59	Wage pact at Scottsville, Va.	May 19	102
Epoxy curing agents	Mar. 3	40	Metals Co. grants exclusive license on titanium trichloride technology and patents to Pearsall Chemical	Feb. 3	58	U.S. Rubber Reclaiming Co. - nylon recovery from automobile tires - progress report	Apr. 21	107
Reaction Motors Div. receives follow-up contract for Bullpup missile program	Mar. 17	45	Metals Co. - Waggoner, William files personal injury suit against firms involved in tank-car explosion	Jan. 6	29	U.S. Steel Corp. - coke from low-grade coal demonstration plant first reports	Feb. 10	54
Rubber plasticizer	Jan. 6	74	National Carbon Co. - graphite-coated uranium carbide fuel particles	Mar. 24	81	Columbia-Geneva Div. - galvanized steel sheet capacity doubled	Jan. 27	26
Thomas Flexible Coupling Co. - Koppers must divest itself of Thomas	Feb. 3	21	National Carbide - graphite control valve	May 19	161	National Tube Div. - king-size compressed-gas cylinder for truck trailers	June 9	46
Thomas & Driver N.V. - polyolefin film venture in Belgium with Shorko Investing	Mar. 31	21	Nanononic detergent prices	Feb. 3	56	Price-fixing indictment	May 5	27
Thompson-Hayward Chemical Co. - agricultural emulsifiers	Apr. 21	96	Nuclear Co. - radiation damages awarded to eight employees	Jan. 13	78	United Steel Companies Ltd. - high-temperature steel grates granted to Combustion Engineering	Mar. 31	53
Transfer to Philips Electronics completed	May 5	25	Nuclear Co. - sulfuric acid plant to be built at Uravan, Colo.	May 5	84	United Technology Corp. - Air Force contract for 120-in. solid-fueled rocket	May 19	78
Thompson Medical Co. - FDA loses Slim-Mint gun case	Mar. 31	45	Olefins Co. aims for "external sales" - particularly in ethylene	Mar. 10	25	Air Force contract for research in non-destructive-testing techniques for large solid-propellant rocket motors	May 5	68
Thwing-Albert Instrument Co. - tensile tester	June 16	136	Olefins - Felbeck, G.T., killed in plane crash	Mar. 24	22	United Wire & Supply - antitrust charges answered	Feb. 3	21
Ticona Polymerwerke GmbH. - joint subsidiary of Celanese and Hoechst will produce Celcon acetal resins in Germany	Jan. 27	24	Plastics - explosion damages phenolics unit at Marietta, O.	Mar. 10	18	Universal Container Corp. - drum cleaning process promises new life for used drums	June 30	29
Joint subsidiary will produce thermoplastics	Jan. 20	29	Plastics - low density polyethylenes improve clarity and sparkle of films made by blown-tubular process	May 5	18	Universal Cyclops Steel Corp. - Supro process for molybdenum and tungsten powders licensed from M&R	Feb. 3	56
Tidewater Oil Co. - Honolulu Oil acquisition - antitrust violation denied	Apr. 14	18	Polyethylene printing process patent suit	Jan. 6	50	Universal Oil Products - Hypro process catalytically converts hydrocarbons into hydrogen and coke	Apr. 14	83
Research lab to be built at Valley Forge, Pa. industrial park	May 19	50	Polyethylene resin prices	Mar. 3	19	Details	May 26	81
Tidy House Packaging Corp. - acquired by Bon Ami Co.	May 12	25	Polyol unit at Institute, W. Va. deliberately overbuilt	May 19	127	Liquid Carbonic acquisition considered	May 19	44
Titanium Development Corp. - acquires interest in Continental Titanium	Feb. 17	42	Puerto Rican olefins plant will act as a subzone of a foreign trade zone	Apr. 23	82	Lonax hydrocracking process details	June 16	86
Titanium Metals Corp. - tube mill and continuous sheet and strip facility at Toronto, O.	Feb. 17	99	Sales and earnings	Feb. 24	20	University Microfilms - acquired by Xerox Corp.	Mar. 17	45
Tokuyama Petrochemical Co. - joint venture of Japan Gas and Showa Denka	May 26	40	Silicones Div. - silicon surfactant produces synthetic sponges	Apr. 28	24	Upjohn Cor. - actinospectacin structure pinpointed	June 30	45
Tombill Mines Ltd. - potash developments in southeast Saskatchewan	Mar. 17	45	Silicones Div. - water-stable organosilicones debut	Apr. 21	95	Court rules against Schering in prednisone case	Apr. 7	27
Toni Co. - Adorn hair spray for hard-to-hold hair	Jan. 20	108	Styrene oxide available in commercial quantities	Mar. 17	65	High-potency steroid called Alphadrol	Feb. 17	148
Toyo Rayon Co. - photosynthesis simplifies conversion of cyclohexane into caprolactam	Mar. 24	77	Sulfuric acid plant to be built at Uravan, Colo. by Leonard Construction	Apr. 21	108	Upjohn Co. of Canada - sterile products lab under construction at Don Mills, Ont.	Feb. 17	152
Tracerlab, Inc. - ferric acetylacetonate tagged with radio-active iron-59	Mar. 3	39	Vanadium case: Supreme Court dismisses ruling of lower courts	Mar. 31	21	Uranium Reduction - Freeport Sulphur drops acquisition plans	Feb. 17	35
Firemen instructed in techniques of fighting radioactive fires	Jan. 13	69	Vanadium price-fixing suits upheld	June 30	26	Urethane Corp. of Texas - takes out articles of incorporation in Delaware	Jan. 13	18
Tranco Chemical Corp. - urethane resins expansion	June 16	44	Union Carbide Canada Ltd. - forms new subsidiary to broaden mineral operations	Jan. 20	118	Urethane Industries International - negotiates for acquisition or joint operation of Stauffer-Hewitt	Jan. 13	17
Trans-Canada Pipe Lines - natural gas processing project at Empress Alta. with Pacific Petroleum	June 23	26	Silicone importers smooth out marketing problems	June 9	28	Utex Exploration - Freeport Sulphur will not acquire mining properties	Apr. 14	25
Trask, Arthur Co., Co. - lignosulfonate salts recovery process - patents	Apr. 7	63		May 12	108		Feb. 17	35
Travancor Titanium Works - rutile titanium pigment production	Apr. 21	56						
Traver Investments, Inc. - polyethylene printing process patent sold to Du Pont	Mar. 3	19						
Tropical Paint Co. - chemical-resistant coating for equipment	Jan. 13	46						

Vactronic Laboratory Equipment, Inc. - diffusion pump	Feb. 17	109	Vagener, Lee, Co. - files suit against Staley over work done on research building	Apr. 14	37	pulping process	Feb. 3	50
Valley Metallurgical Processing Co. - selling 70,000 shares of no-par-value common	Apr. 7	21	Wah Chang Corp. - farmer claims damages in plant emission case	Mar. 3	30	Pulping wastes keep cow pasture green	May 12	104
Valpar Corp. - acquires Clinton Co.	Jan. 13	45	Waldman, Joseph, & Sons - Epoxy Products - epoxy solder	Jan. 20	109	Whirlpool Corp. - Chemical Specialties Div. will make and market urethane sponges with built-in detergents and built-in silicone oil	Mar. 31	19
Valve Corp. of America - metering-aerosol-bottle patent squabble	May 5-18	36	Walker Manufacturing - catalytic muffler approved by California	May 12	79	- letter	Apr. 28	8
Vanadium Corp. of America - vanadium case: Supreme Court dismisses ruling of lower courts	June 30	26	Wallace & Tiernan Inc. - Harchem Div. - dibasic acids line	May 12	71	Enters chemical specialties field	Mar. 17	69
Vanadium price-fixing suits upheld	Jan. 20	118	Walman, Joseph, & Sons - Epoxy Product Div. - conductive paint	Apr. 7	68	White Front Stores, Inc. - Abbott Laboratories granted permanent fair trade injunction	Feb. 3	49
Vanderbilt, R. T., Co. - bactericide-fungicide called Vanicide 2P	Mar. 3	40	Warner-Jenkinson Manufacturing Co. - food color	May 5	42	Williams, C. K., & Co. - acquired by Pfizer	June 16	44
Vane-Calvert Paint Co. - consolidates with Spatz Paint Industries	Mar. 3	48	Warner-Lambert Pharmaceutical Co. - Peritrate trademark infringement case	Apr. 14	37	Wilson, (Ludwig) Co. - acquired by Zep	Jan. 13	46
Van Straaten Chemical Co. - metal cleaner	June 9	90	Stock split and common stock increase proposed	Mar. 17	45	Wilson Williams, Inc. - appetite depressants contempt of court case	Jan. 27	31
Water-soluble metal-cutting and grinding lubricants	Jan. 20	108	Warren, S. D., Co. - chlorine dioxide bleach unit at Westbrook, Me.	Jan. 13	30	Winthrop Laboratories - anabolic hormone called Winstrol	Jan. 20	70
Van Waters & Rogers, Inc. - chlorine bid turned down by Salem City, Ore. city council	Apr. 14	35	Pulp and paper lab dedicated at Westbrook, Me.	Feb. 17	154	Witco Chemical Co. - common stock sale	Mar. 3	67
Vend-Pak Machines Ltd. - Valclene dry-cleaning compound distributor	Apr. 14	74	Wasserman Development Corp. - aims to create plastics products for building industry	Mar. 10	22	Common stock to be listed on New York Stock Exchange	May 12	24
Venezuela Sulphur Co. - may install generator use g steam pipelined from fumaroles	Feb. 10	50	Waterlac Finish Co. - coating for ABS plastics	June 9	90	Wood, Alan Steel Co. - experiments show fuel oil injection of blast furnaces can boost metal production and cut coke requirements	May 12	80
Vereinigte Glanzstoff Fabriken - Dutch and German governments settle war claims	June 2	34	Watkins, John L., Co. - throw-out toothbrush called InstaMint	Apr. 7	42	Wood Conversion Co. - moves R&D department to new building in Roseville, Wis.	Feb. 10	39
Vereinigte Oesterreichische Eisenund Stahlwerke - catalytic benzene-from-coke plant ordered from Germany's Koppers	Apr. 21	56	Watkins Products - transfer of stock deal proposed with Pfizer	Feb. 3	17	Worcester Valve Co. - bronze ball valves	Jan. 27	44
Vestal Laboratories - Du Bois Chemicals merger	Feb. 10-50,	25	Webb, Del E. Corp. - joint venture with Humble for residential development of Houston, Tex. site	Feb. 3	24	Wyandotte Chemicals Corp. - coal-chemical-metal integration	Feb. 24	15
Vibra Sorex Feeders, Inc. - bin activator empties solids from storage bins	May 12	101	Webb, D.E., foresees construction boom	Mar. 24-17,	14	Sample, R.B., views GATT tariff cuts	Mar. 17	39
Victor Chemical - sodium aluminum phosphate producer unveils new process and plant in bid for leavening market	Mar. 17	83	Weirton Steel Co. - coal-injection system installed in blast furnace	June 30	40	Urethane technology research facility opened at Wyandotte, Mich.	May 5	68
Victor Paint Co. - Mary Carter Paint acquires outstanding shares	Apr. 14	66	Werner, R. D., Co. - acquisition by Reynolds Aluminum of Canada rumored	Mar. 17	36	Xanfoam of Canada Ltd. - joint venture of Sun Chemical and Bathurst Power will produce Xanfoam extruded polystyrene foam parts	Mar. 24	24
Mary Carter sets up terms for acquisition	Jan. 20	38	Wershow, Milton J., Co. - auctioneer ups bid on used plants	Feb. 17	46	Xerox Corp. - acquires University Microfilms	Mar. 17	45
Victoreen Instrument Co. - dynamic capacitor electrometer	Apr. 14	79	West Polymers Work - joint venture of Montecatini and Indian interests, will make polypropylene resins, films, staple and yarns	May 19	58			
Virginia-Carolina Chemical Corp. - forms subsidiary with Green Belt Chemical to produce granular fertilizers	June 23	26	West Virginia Pulp and Paper Co. - chemical operations reach new profit peak	Jan. 20	36			
Virginia Institute for Scientific Research - electrochemical process makes inter-metallic compounds	Mar. 17	94	Western-Knapp Engineering Co. - vanadium recovery plant to be built for Kermac Nuclear Fuels	Feb. 24	17			
Vitamin Products Co. - Lee, Royal, gets suspended prison terms in misbranding case	May 19	69	Western Nuclear Co. - sulfuric acid plant at Jeffrey City, Wyo. to be built by Leonard Construction	June 9	28			
Vita-Var Corp. - acquired by Textron	Mar. 24	24	Westinghouse Electric Corp. - acoustical mass flowmeter developed	May 5	61	Yardney Electric Corp. - sales and earnings	Jan. 20	34
Vitro Chemical Co. - thorium metal ingot contract from AEC	Mar. 3	62	Antitrust charges answered	Feb. 3	21	Yuka-Badische - joint venture of BASF and Mitsubishi Yuka will produce petrochemicals	Jan. 27	46
Uranium concentrates contract with AEC	Apr. 21	26	General Purpose Controls Dept. - motor controller	Feb. 17	109			
Vitro Minerals Corp. - beryllium oxide plant uses proprietary continuous process	Feb. 17	120	Lamp Div. - control panel lights	Feb. 17	110			
Beryllium pilot plant will test new process	Feb. 10	23	Microminiature electronic circuits go commercial	Mar. 17	84			
Vondelingenplaat - mercaptans plant to be built near Rotterdam	May 19	58	Nuclear-powered rocket engine development	May 26	34			
Von Kohn International Corp. - synthetic fiber plant to be built in Greece with Antares	Mar. 24	72	Progress report on compliance with anti-trust laws	Jan. 6	76	Zellwolle Lenzing AG. - acrylic fiber plans still alive	Mar. 24	72
			Superconducting magnets made of niobiumzirconium	Feb. 3	58	Zep Manufacturing Corp. - acquires New Mexico Janitor Supply Co. and Ludwig Wilson Co.	Jan. 13	45
			Westlake Plastics Co. - Nuclear Products Division's new plant	Apr. 21	26	Merging with National Linen Service Corp.	June 9	26
Wacker-Chemie GmbH. - specialty suspension polymer and copolymer technology and processes licensed to Cary Chemicals	Jan. 13	29	Westley Industries - leather and upholstery cleaner	Feb. 10	59	Zimmerman Machinery Co. - undisclosed amount of stock acquired by Carlon Products	Jan. 20	37
			Weyerhaeuser Co. - magnesium-base wood-					